

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102023\
 Data File : VW032510.D
 Acq On : 20 Oct 2023 08:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 20 22:57:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 20 06:17:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	94312	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	104545	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	54572	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	37377	4.873	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.532	69	34200	5.493	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.800%
11) 1,1-Dichloroethene-d2	2.056	65	16173	5.000	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.000%
20) 2-Butanone-d5	3.821	46	102557	52.855	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.720%
24) Chloroform-d	4.252	84	70786	5.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	4.947	65	36281	5.661	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.200%
32) Benzene-d6	4.963	84	131092	4.261	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	5.989	67	41948	4.116	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.400%
41) Toluene-d8	7.246	98	124487	4.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	7.558	79	15401	4.264	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.030	63	84630	49.803	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.600%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	36046	5.056	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	11.564	152	43540	4.300	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	52795	5.023	ug/L	100
3) Chloromethane	1.214	50	55539	5.242	ug/L	98
5) Vinyl chloride	1.281	62	54297	5.373	ug/L	100
6) Bromomethane	1.487	94	27795	4.553	ug/L	98
8) Chloroethane	1.548	64	34519	5.674	ug/L	99
9) Trichlorofluoromethane	1.712	101	68553	5.657	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	39724	5.410	ug/L	98
12) 1,1-Dichloroethene	2.069	96	39003	5.639	ug/L	91
13) Acetone	2.150	43	75610	50.558	ug/L	89
14) Carbon disulfide	2.240	76	107853	4.460	ug/L	100
15) Methyl Acetate	2.391	43	17715	5.262	ug/L	98
16) Methylene chloride	2.445	84	46963	5.208	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	92564	4.916	ug/L	98
18) trans-1,2-Dichloroethene	2.693	96	39124	4.938	ug/L	99
19) 1,1-Dichloroethane	3.111	63	78349	5.257	ug/L	99
21) 2-Butanone	3.902	43	108695	46.477	ug/L	95
22) cis-1,2-Dichloroethene	3.818	96	41182	4.828	ug/L	92
23) Bromochloromethane	4.149	128	18786	5.235	ug/L	93
25) Chloroform	4.278	83	81404	5.567	ug/L	100

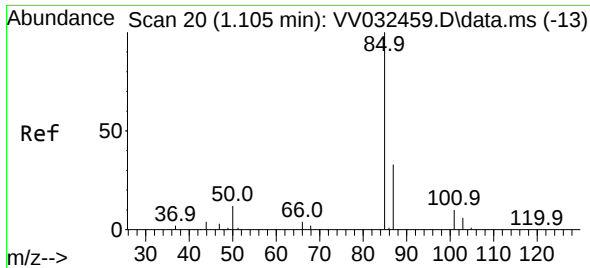
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102023\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 20 06:17:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	51002	5.904	ug/L	98
29) 1,1,1-Trichloroethane	4.513	97	66415	4.672	ug/L	96
30) Cyclohexane	4.583	56	58753	3.761	ug/L	97
31) Carbon tetrachloride	4.738	117	56580	4.704	ug/L	99
33) Benzene	5.011	78	168230	4.570	ug/L	100
34) Trichloroethene	5.834	95	42454	4.225	ug/L	98
35) Methylcyclohexane	6.053	83	54467	3.503	ug/L	88
37) 1,2-Dichloropropane	6.095	63	41347	4.200	ug/L #	97
38) Bromodichloromethane	6.436	83	59057	5.049	ug/L	96
39) cis-1,3-Dichloropropene	6.956	75	58054	4.144	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	291445	46.786	ug/L	98
42) Toluene	7.316	91	186313	4.748	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	49780	4.324	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	33275	4.792	ug/L	98
47) Tetrachloroethene	7.908	164	33125	4.347	ug/L	97
48) 2-Hexanone	8.082	43	211147	48.041	ug/L	98
49) Dibromochloromethane	8.178	129	35294	4.882	ug/L	97
50) 1,2-Dibromoethane	8.284	107	30227	4.602	ug/L	95
51) Chlorobenzene	8.815	112	115240	4.562	ug/L	96
52) Ethylbenzene	8.950	91	193584	4.431	ug/L	99
53) m,p-Xylene	9.075	106	75481	4.658	ug/L	97
54) o-Xylene	9.480	106	69690	4.463	ug/L	98
55) Styrene	9.500	104	123911	4.699	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.181	83	39058	5.112	ug/L	94
59) Bromoform	9.670	173	18652	4.700	ug/L	97
60) Isopropylbenzene	9.869	105	188510	4.445	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	28007	4.822	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	144703	4.186	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	145855	4.238	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	91575	4.520	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	89978	4.427	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	83726	4.531	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	5922	4.990	ug/L	85
69) 1,3,5-Trichlorobenzene	12.583	180	62145	4.188	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	52766	4.009	ug/L	98
71) Naphthalene	13.445	128	80258	3.590	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	47558	4.194	ug/L	98

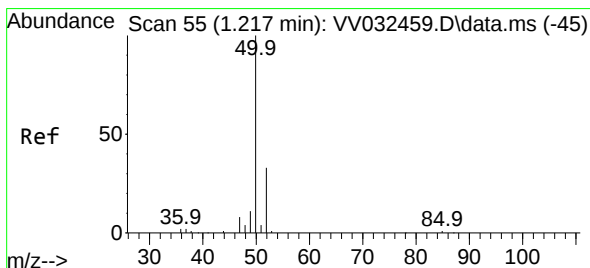
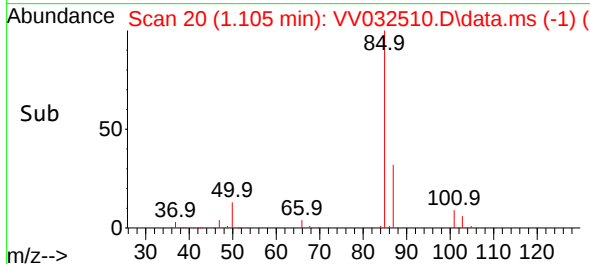
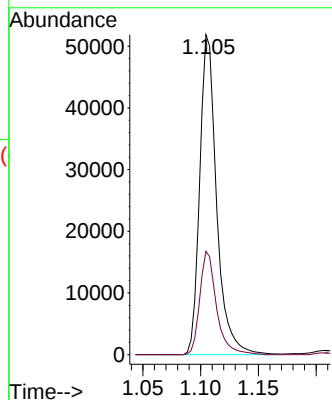
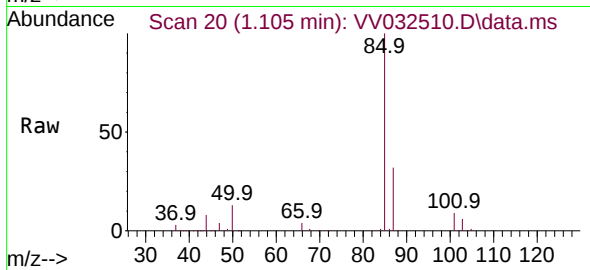
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.023 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

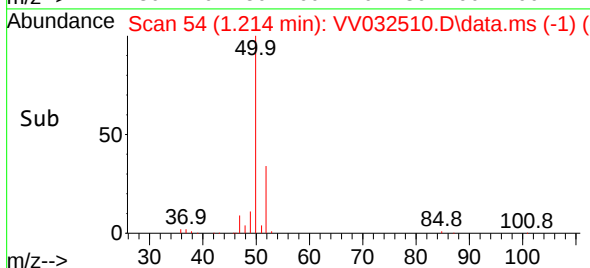
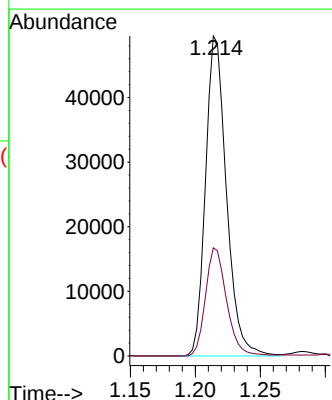
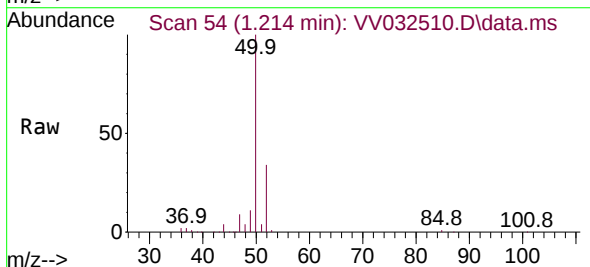
Instrument :
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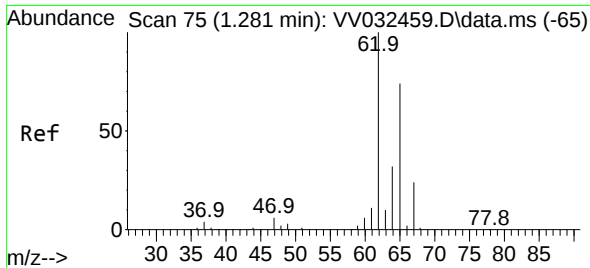
Tgt Ion: 85 Resp: 52795
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.5 38.3



#3
 Chloromethane
 Concen: 5.242 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

Tgt Ion: 50 Resp: 55539
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.0 42.6

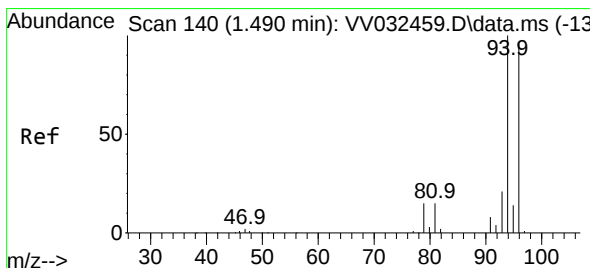
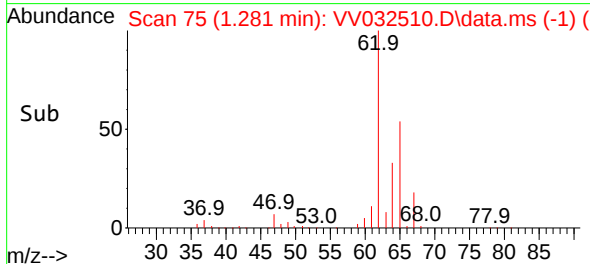
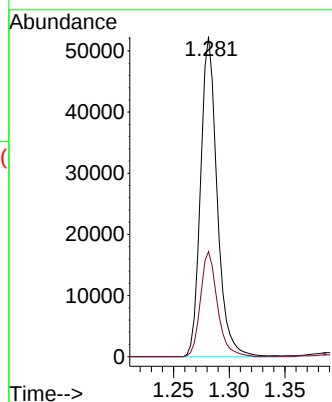
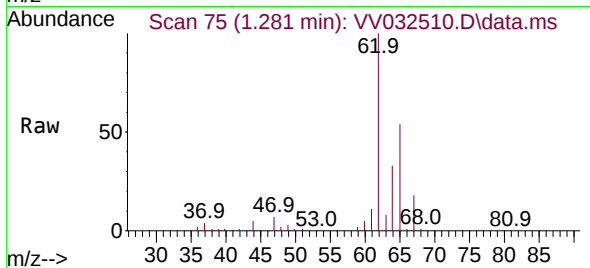




#5
 Vinyl chloride
 Concen: 5.373 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

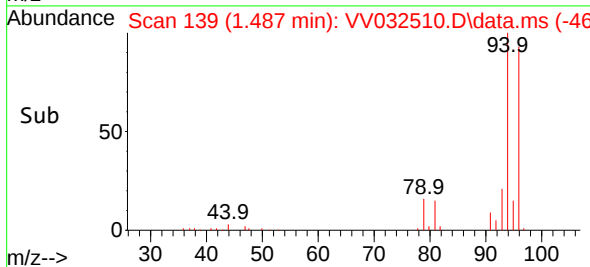
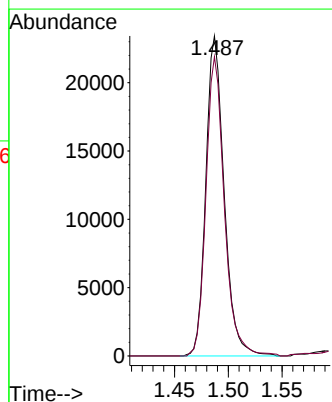
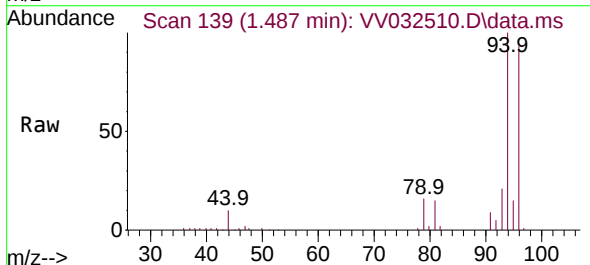
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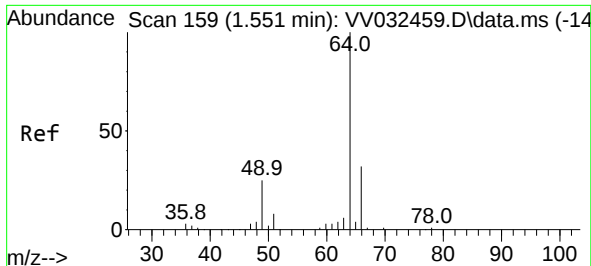
Tgt Ion: 62 Resp: 54297
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.1 42.9



#6
 Bromomethane
 Concen: 4.553 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

Tgt Ion: 94 Resp: 27795
 Ion Ratio Lower Upper
 94 100
 96 93.5 66.8 124.2

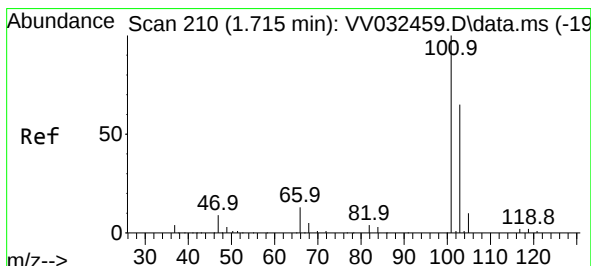
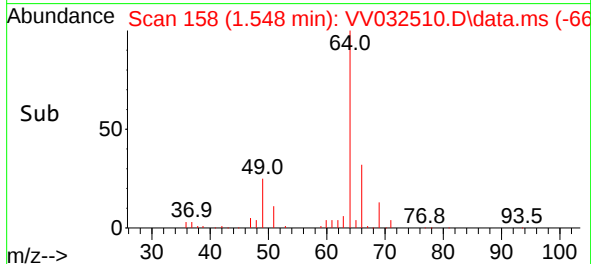
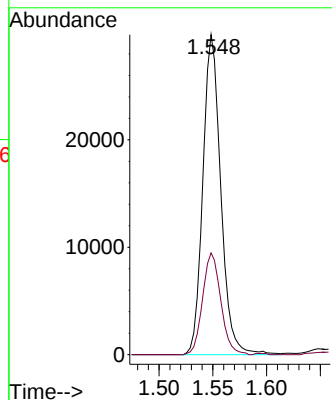
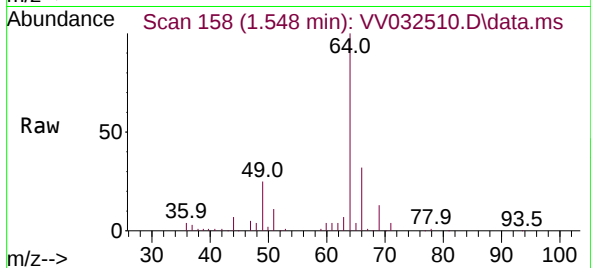




#8
Chloroethane
Concen: 5.674 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

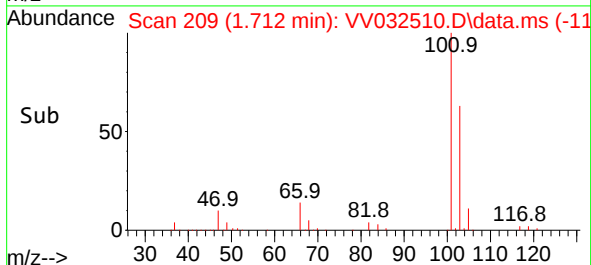
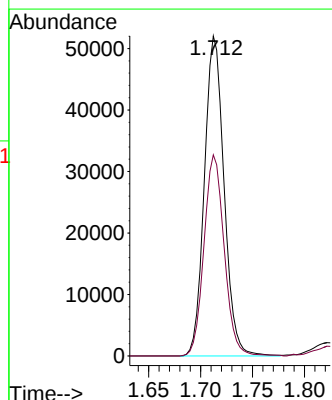
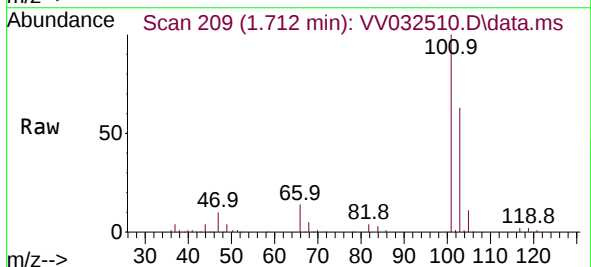
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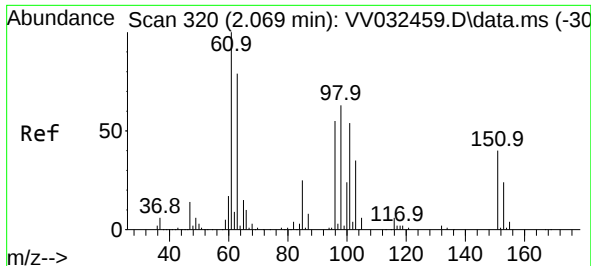
Tgt Ion: 64 Resp: 34519
Ion Ratio Lower Upper
64 100
66 31.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.657 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion:101 Resp: 68553
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

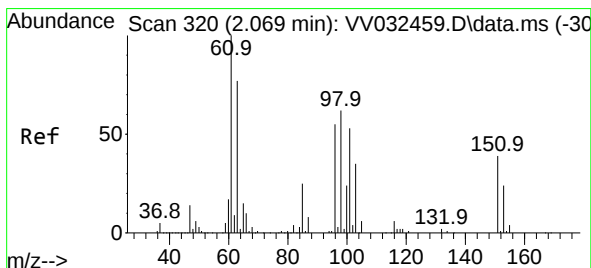
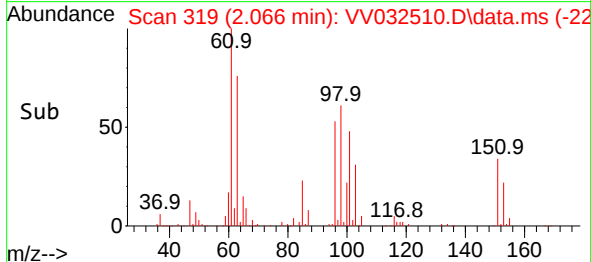
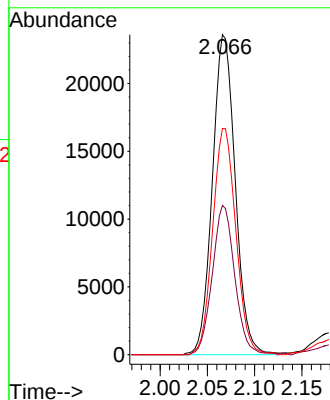
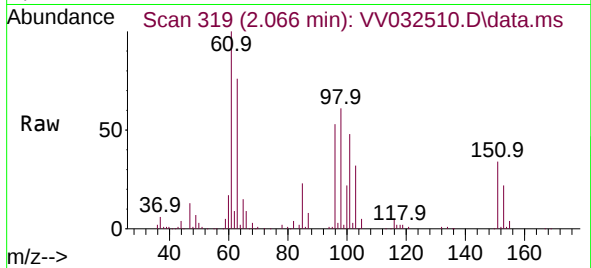




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.410 ug/L
 RT: 2.066 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

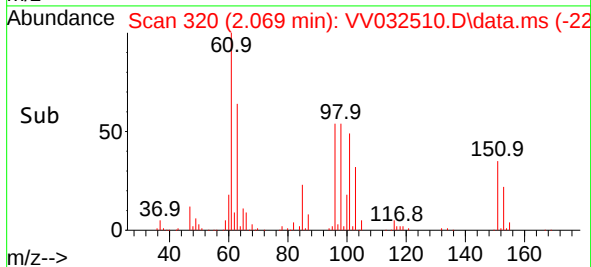
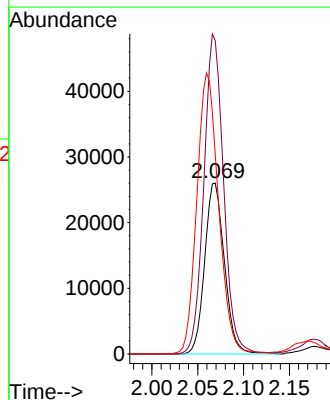
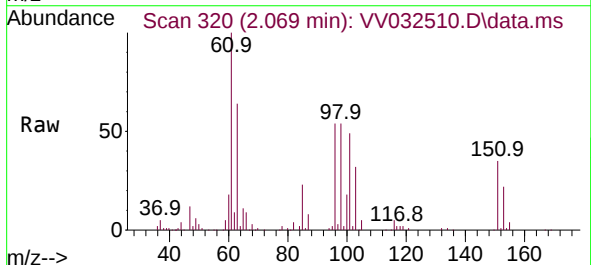
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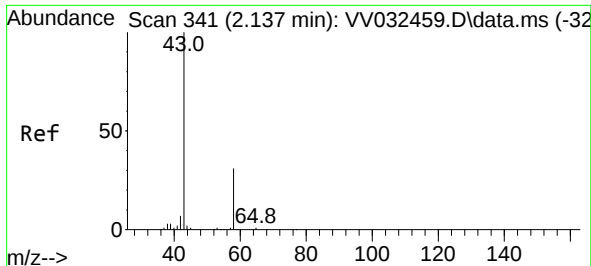
Tgt Ion:101 Resp: 39724
 Ion Ratio Lower Upper
 101 100
 85 45.8 35.0 52.6
 151 71.6 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 5.639 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

Tgt Ion: 96 Resp: 39003
 Ion Ratio Lower Upper
 96 100
 61 183.5 127.3 236.3
 63 116.8 98.3 182.7





#13

Acetone

Concen: 50.558 ug/L

RT: 2.150 min Scan# 341

Delta R.T. 0.010 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

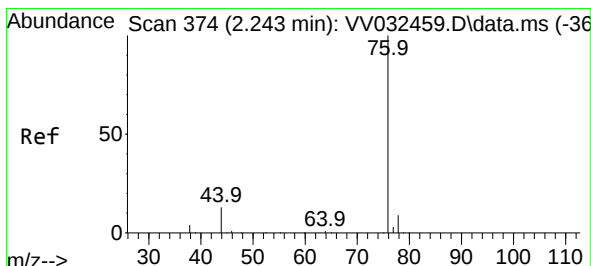
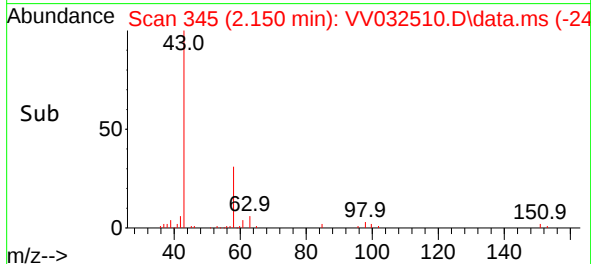
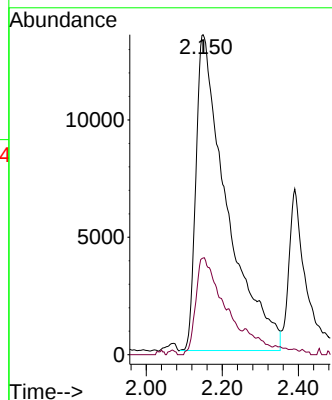
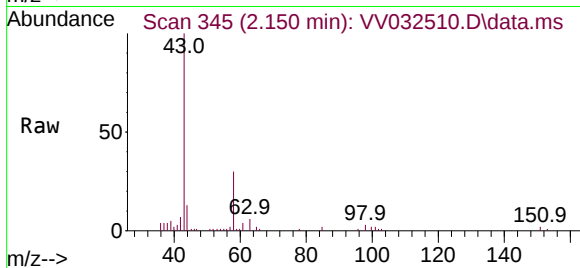
ClientSampleId :

Tgt Ion: 43 Resp: 75610

Ion Ratio Lower Upper

43 100

58 27.0 0.0 66.0



#14

Carbon disulfide

Concen: 4.460 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV032510.D

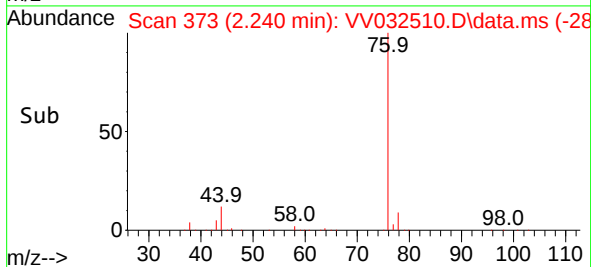
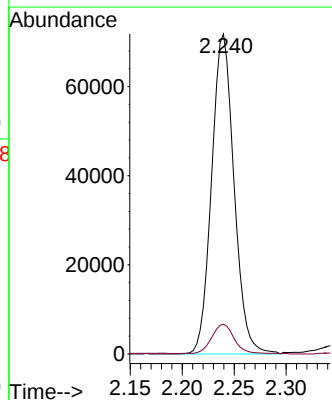
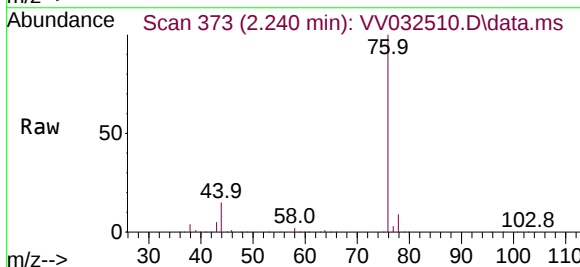
Acq: 20 Oct 2023 08:53

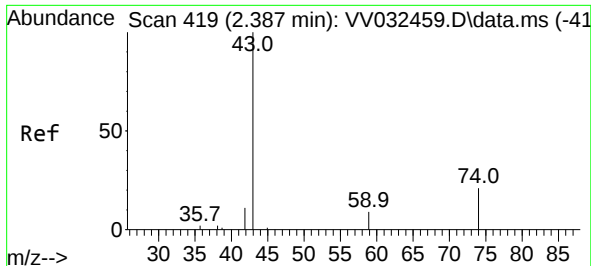
Tgt Ion: 76 Resp: 107853

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

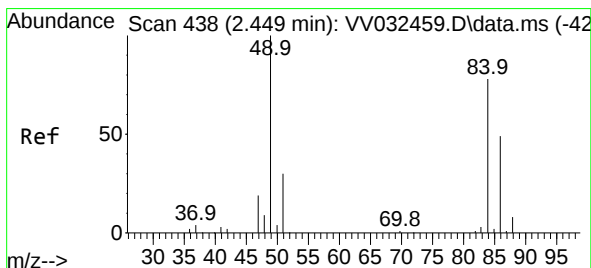
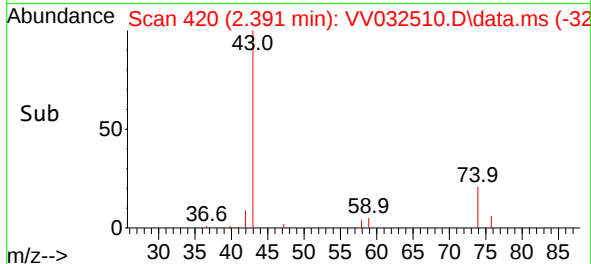
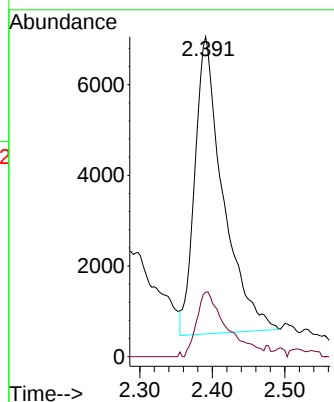
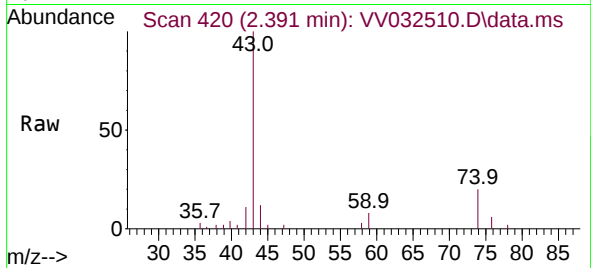




#15
Methyl Acetate
Concen: 5.262 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

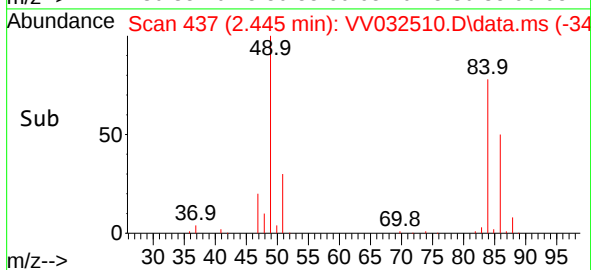
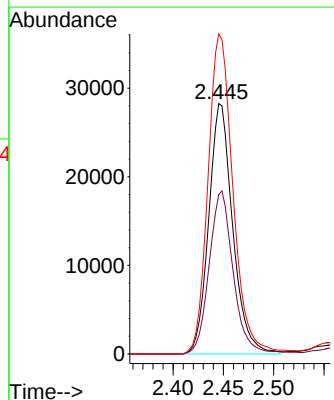
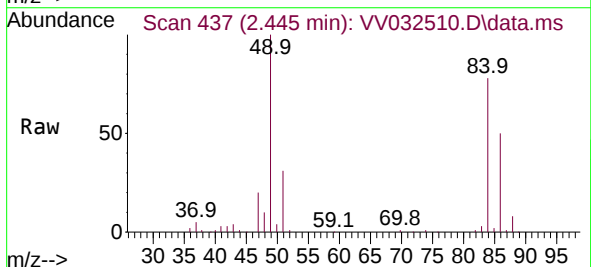
Instrument :
MSVOA_V
ClientSampleId :

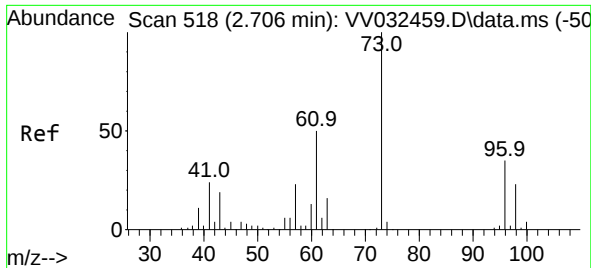
Tgt Ion: 43 Resp: 17715
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0



#16
Methylene chloride
Concen: 5.208 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion: 84 Resp: 46963
Ion Ratio Lower Upper
84 100
86 63.7 43.2 80.2
49 127.8 86.3 160.3

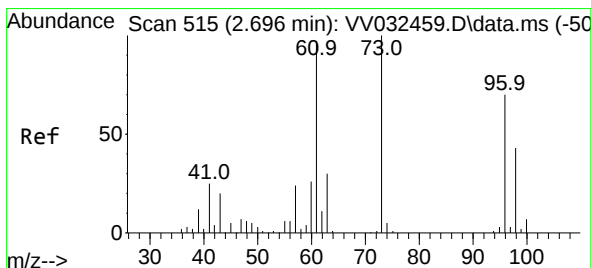
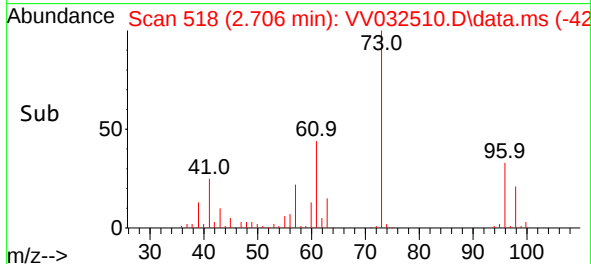
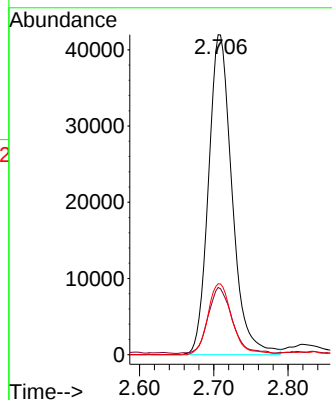
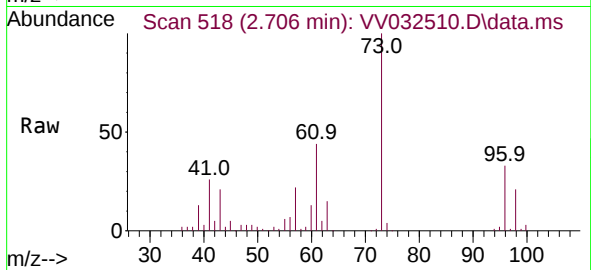




#17
Methyl tert-butyl Ether
Concen: 4.916 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

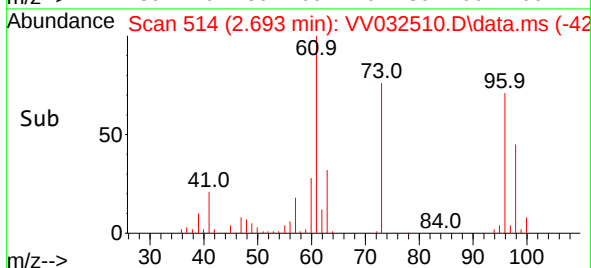
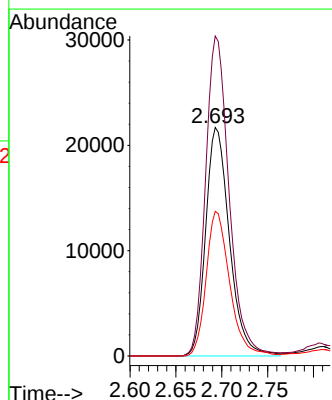
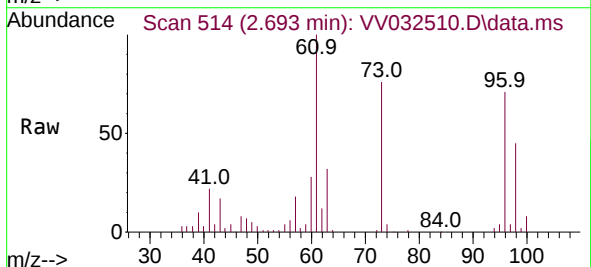
Instrument :
MSVOA_V
ClientSampleId :

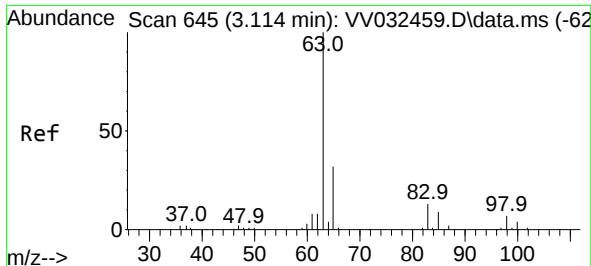
Tgt Ion: 73 Resp: 92564
Ion Ratio Lower Upper
73 100
43 21.0 15.1 22.7
57 22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.938 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion: 96 Resp: 39124
Ion Ratio Lower Upper
96 100
61 140.1 96.9 180.1
98 63.3 45.3 84.1





#19

1,1-Dichloroethane

Concen: 5.257 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

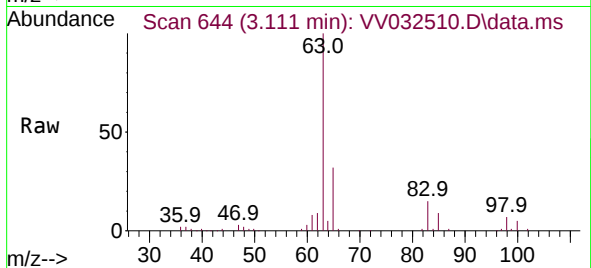
Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

ClientSampleId :



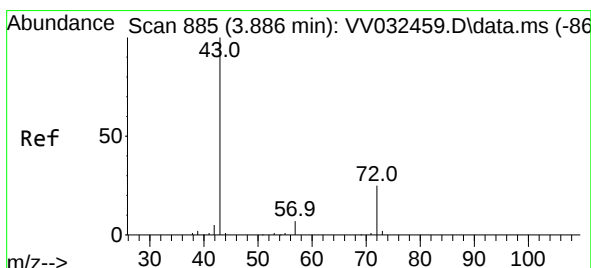
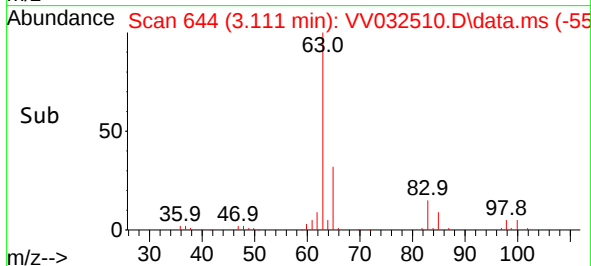
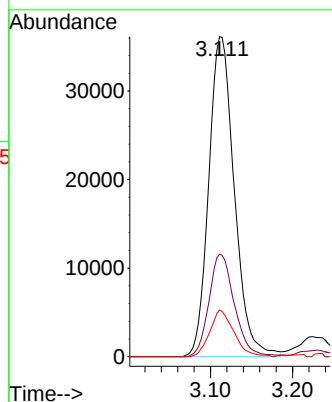
Tgt Ion: 63 Resp: 78349

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.5

83 14.6 9.0 16.6



#21

2-Butanone

Concen: 46.477 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.016 min

Lab File: VV032510.D

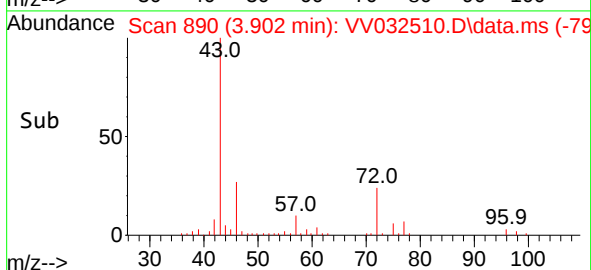
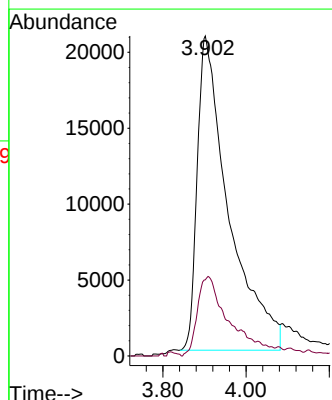
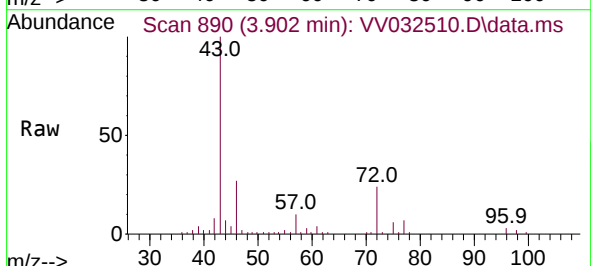
Acq: 20 Oct 2023 08:53

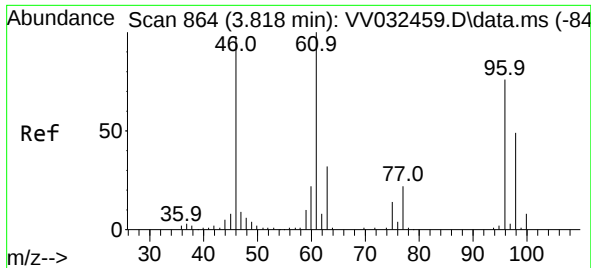
Tgt Ion: 43 Resp: 108695

Ion Ratio Lower Upper

43 100

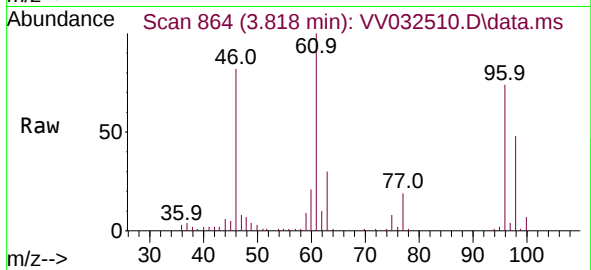
72 21.0 11.6 34.8



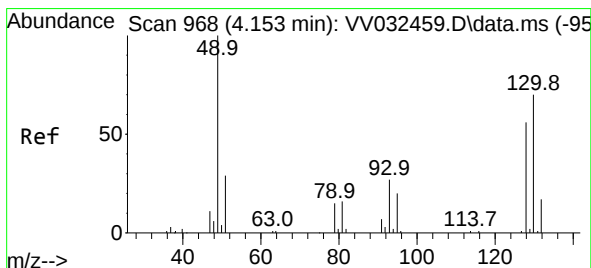
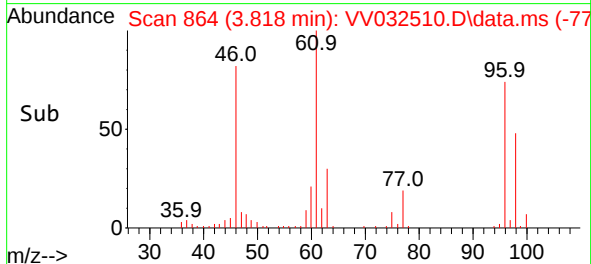
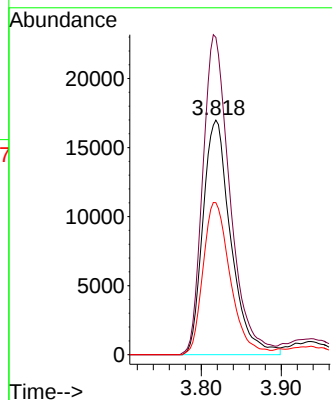


#22
 cis-1,2-Dichloroethene
 Concen: 4.828 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.003 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

Instrument :
 MSVOA_V
 ClientSampleId :

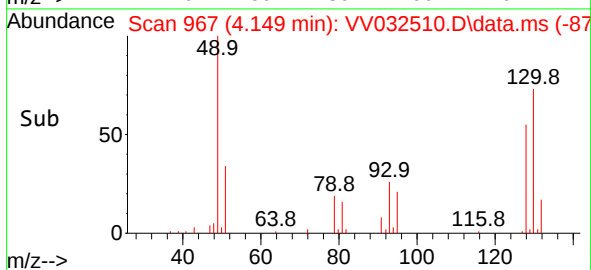
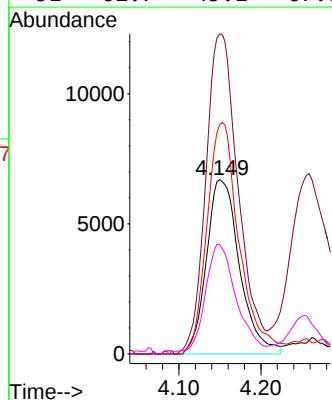
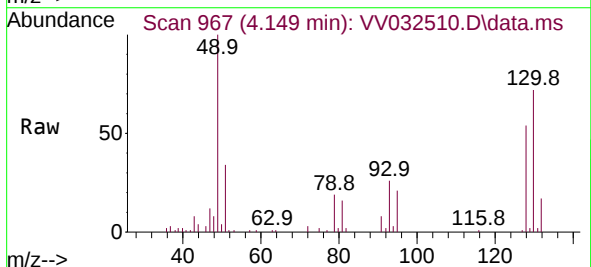


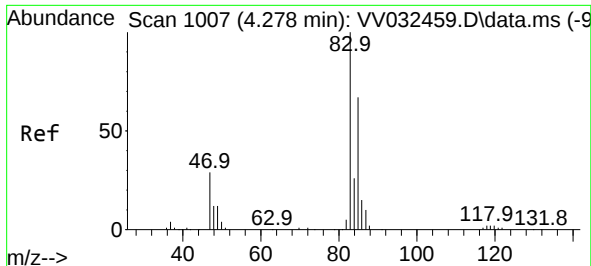
Tgt Ion:	96	Resp:	41182
Ion	Ratio	Lower	Upper
96	100		
61	135.3	85.8	159.4
98	64.8	44.0	81.6



#23
 Bromochloromethane
 Concen: 5.235 ug/L
 RT: 4.149 min Scan# 967
 Delta R.T. -0.003 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

Tgt Ion:	128	Resp:	18786
Ion	Ratio	Lower	Upper
128	100		
49	183.6	121.2	225.0
130	131.3	88.2	163.8
51	62.7	45.1	67.7





#25

Chloroform

Concen: 5.567 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

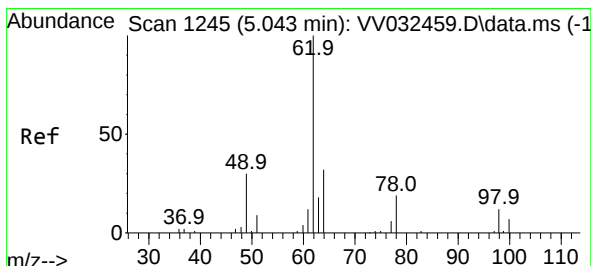
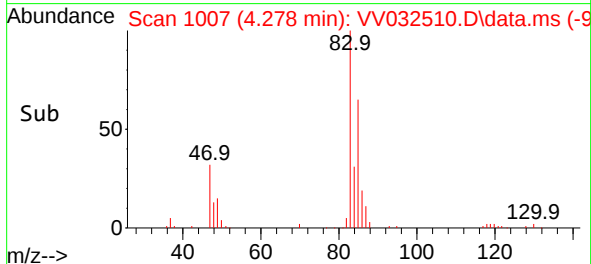
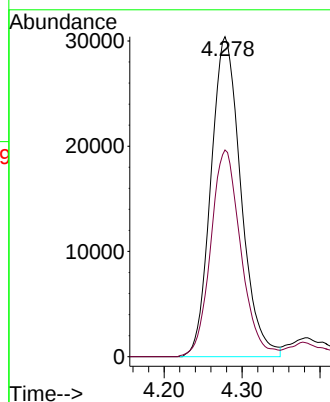
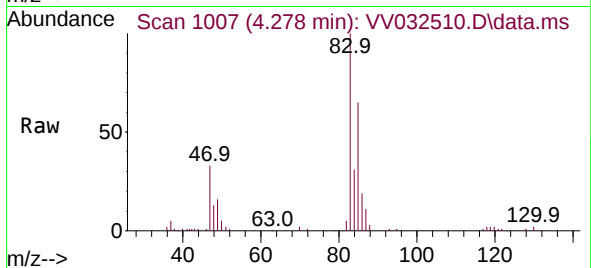
ClientSampleId :

Tgt Ion: 83 Resp: 81404

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.904 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV032510.D

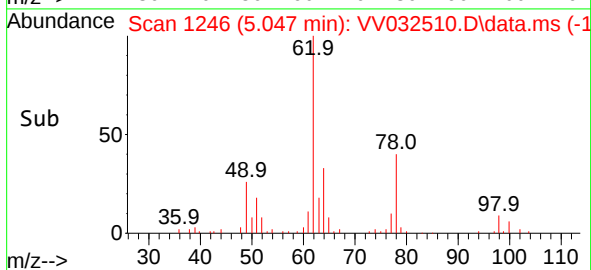
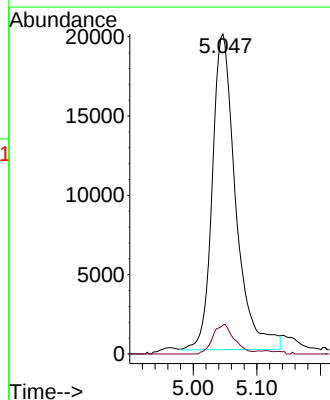
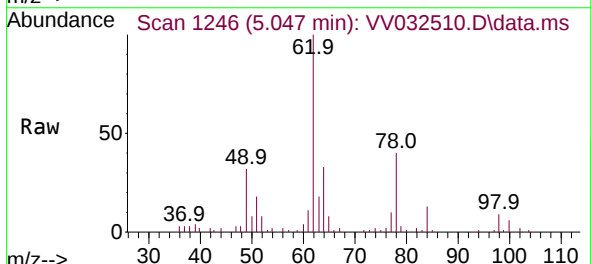
Acq: 20 Oct 2023 08:53

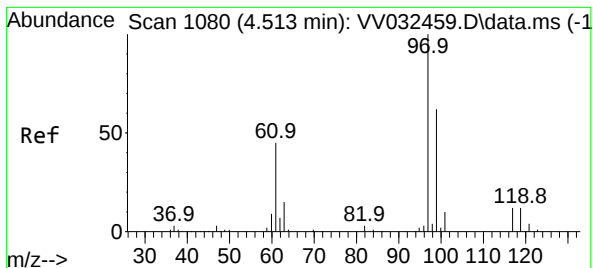
Tgt Ion: 62 Resp: 51002

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.672 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

ClientSampleId :

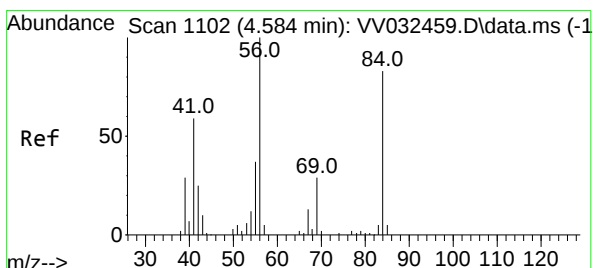
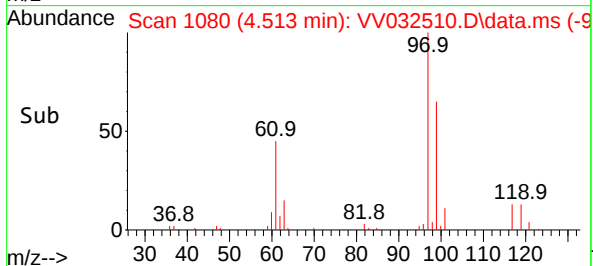
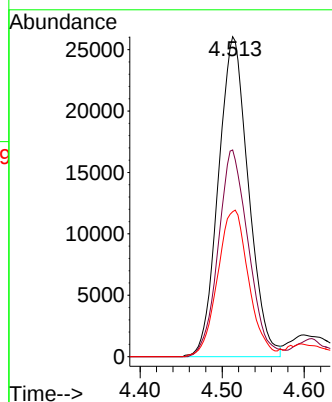
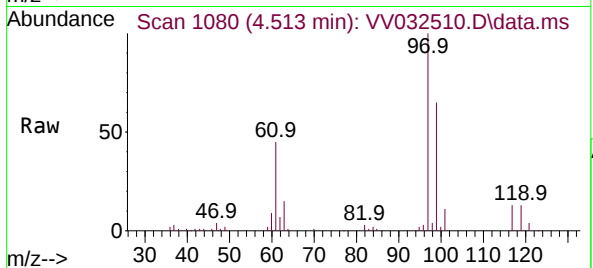
Tgt Ion: 97 Resp: 66415

Ion Ratio Lower Upper

97 100

99 64.7 50.1 75.1

61 47.3 35.1 52.7



#30

Cyclohexane

Concen: 3.761 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

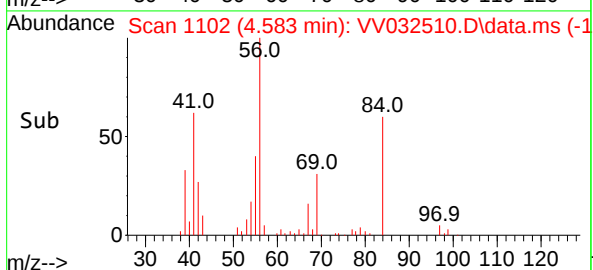
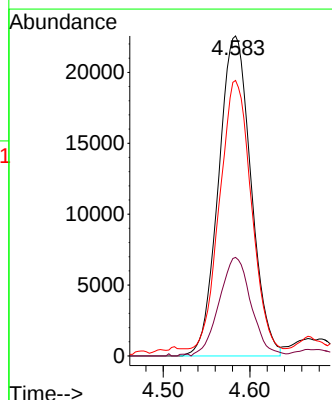
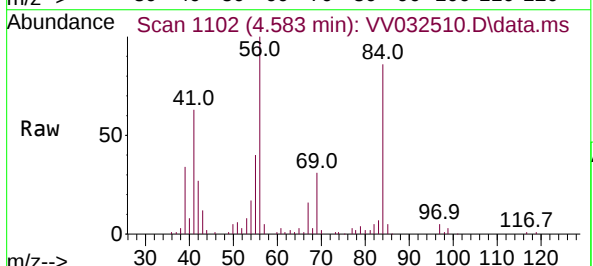
Tgt Ion: 56 Resp: 58753

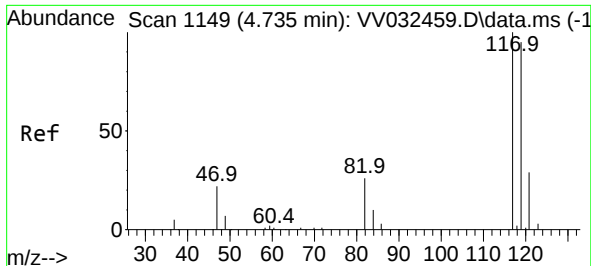
Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.2

84 82.0 68.1 102.1

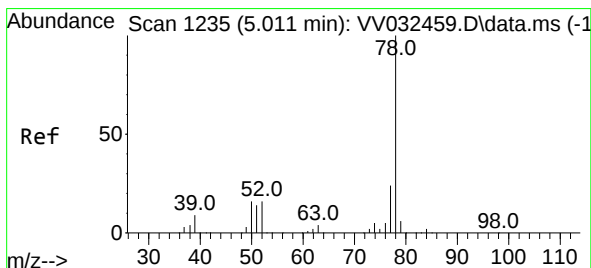
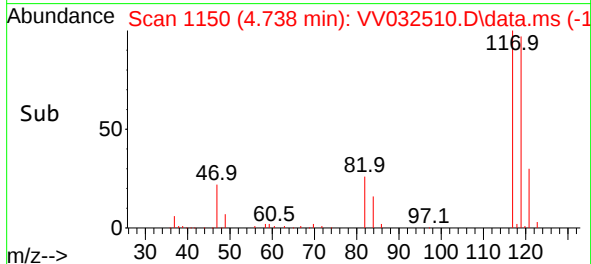
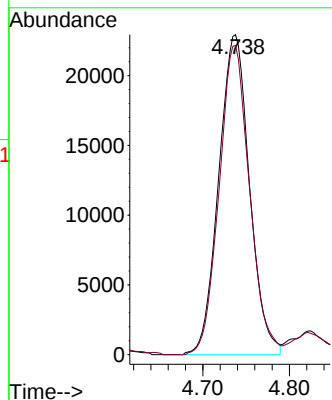
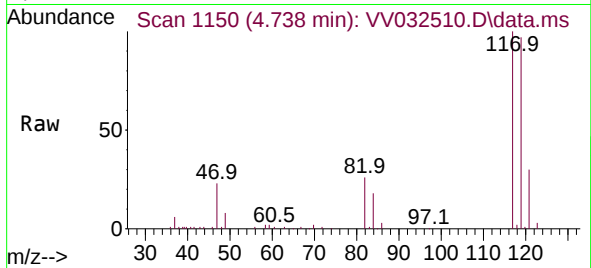




#31
Carbon tetrachloride
Concen: 4.704 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

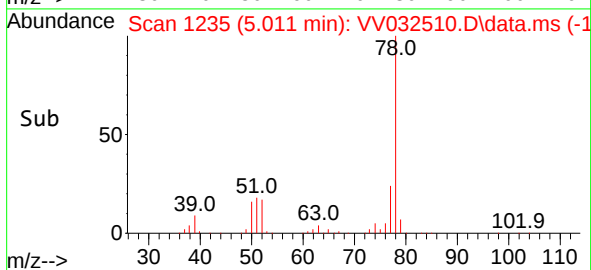
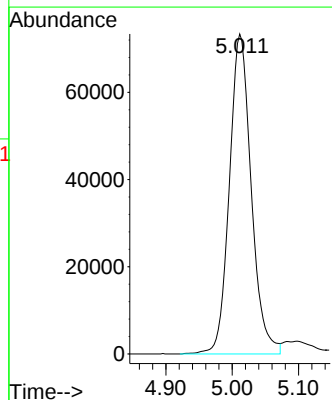
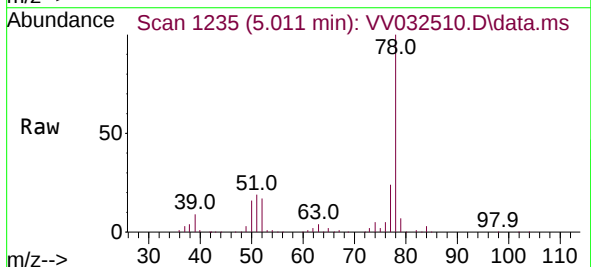
Instrument :
MSVOA_V
ClientSampleId :

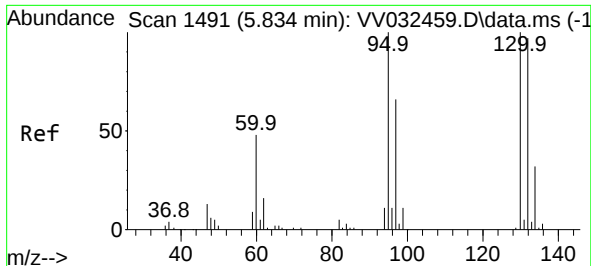
Tgt Ion:117 Resp: 56580
Ion Ratio Lower Upper
117 100
119 95.5 77.6 116.4



#33
Benzene
Concen: 4.570 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion: 78 Resp: 168230

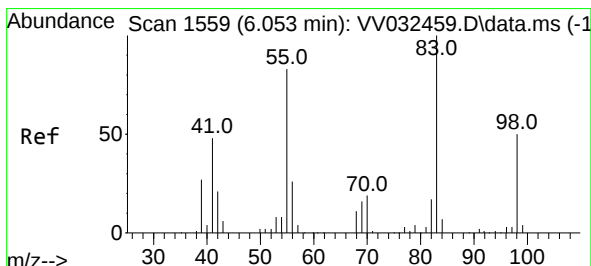
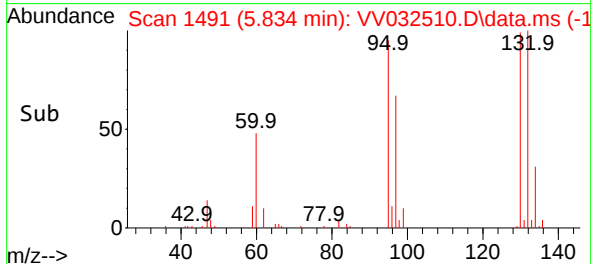
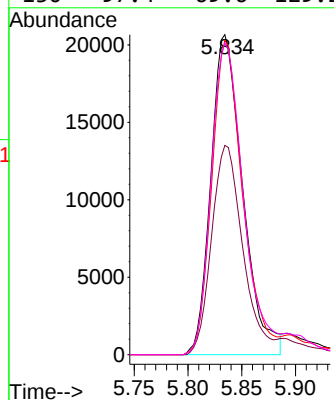
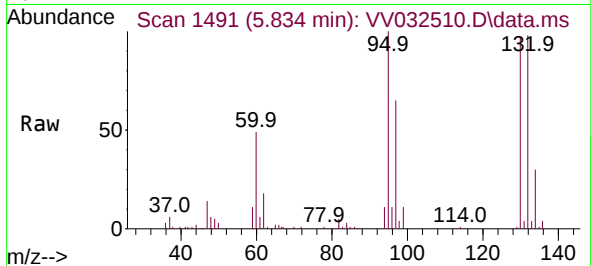




#34
Trichloroethene
Concen: 4.225 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

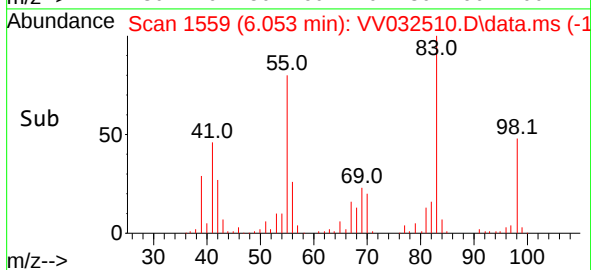
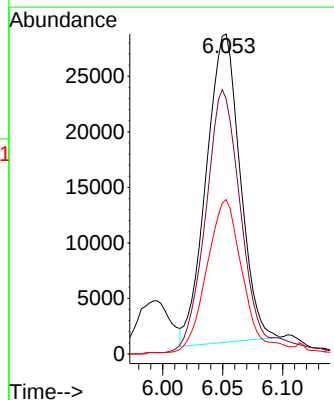
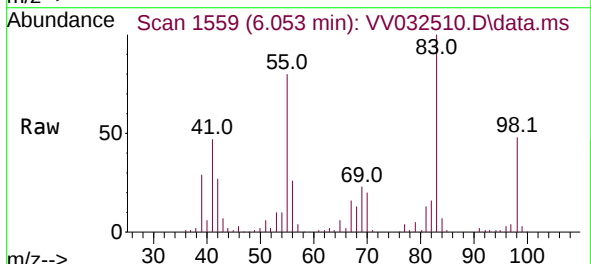
Instrument :
MSVOA_V
ClientSampleId :

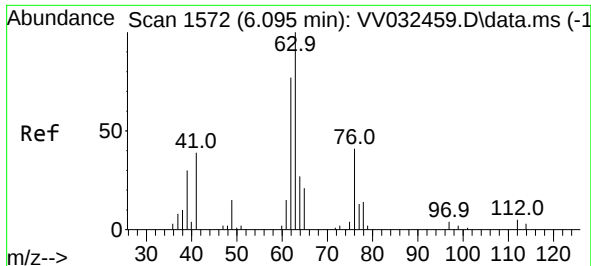
Tgt Ion: 95 Resp: 42454
Ion Ratio Lower Upper
95 100
97 65.4 45.7 84.9
132 98.2 70.3 130.5
130 97.4 69.6 129.2



#35
Methylcyclohexane
Concen: 3.503 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion: 83 Resp: 54467
Ion Ratio Lower Upper
83 100
55 94.2 64.2 96.2
98 52.6 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.200 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

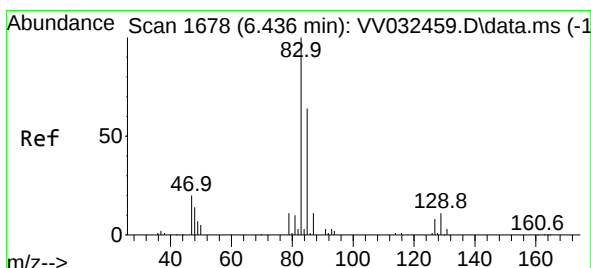
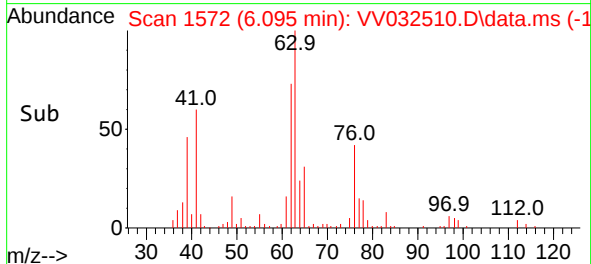
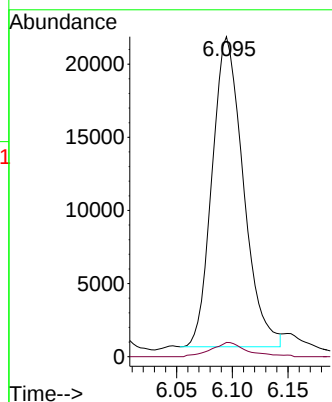
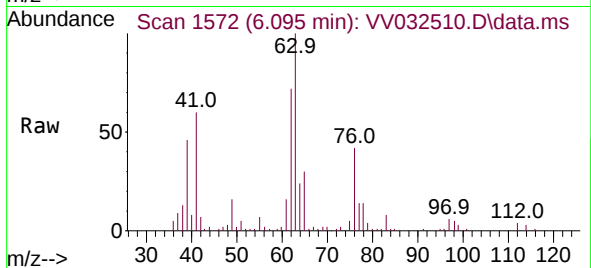
ClientSampleId :

Tgt Ion: 63 Resp: 41347

Ion Ratio Lower Upper

63 100

112 5.3 3.4 5.2#



#38

Bromodichloromethane

Concen: 5.049 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

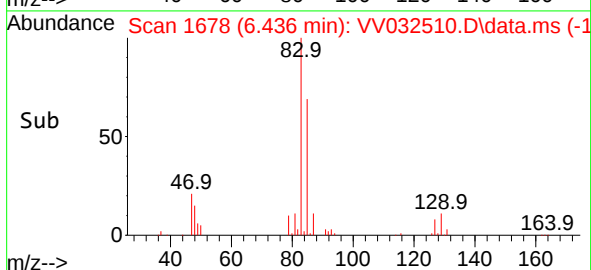
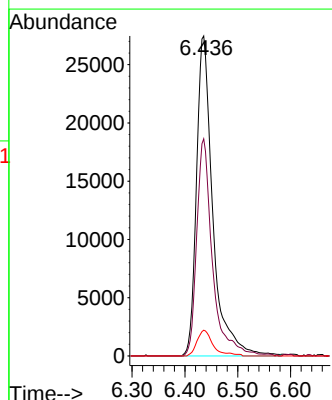
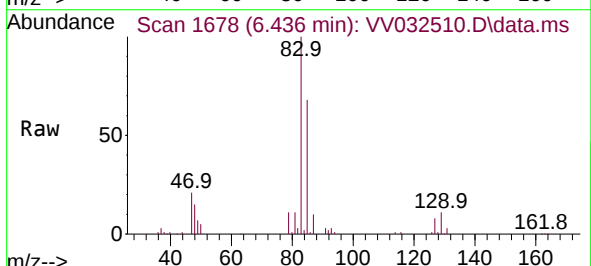
Tgt Ion: 83 Resp: 59057

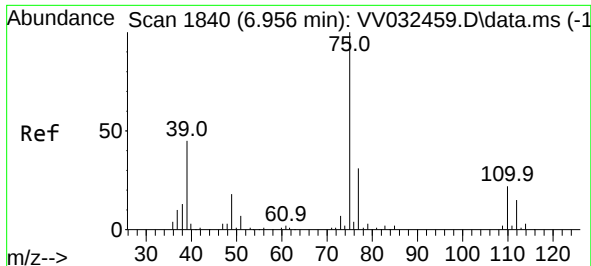
Ion Ratio Lower Upper

83 100

85 67.8 44.9 83.3

127 8.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.144 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

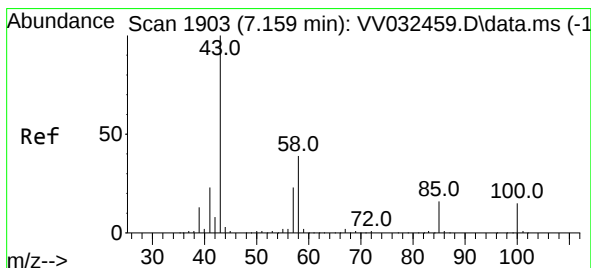
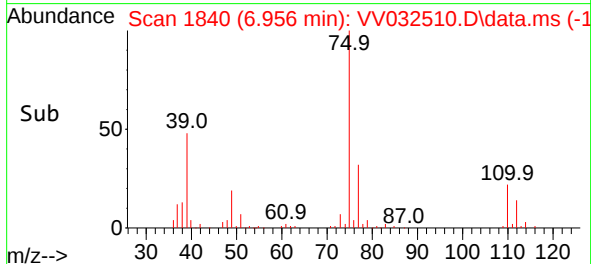
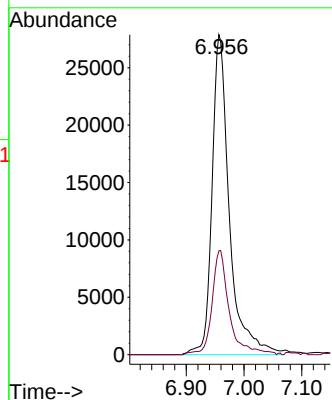
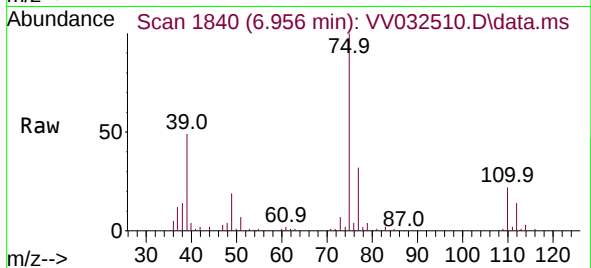
ClientSampleId :

Tgt Ion: 75 Resp: 58054

Ion Ratio Lower Upper

75 100

77 32.5 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 46.786 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

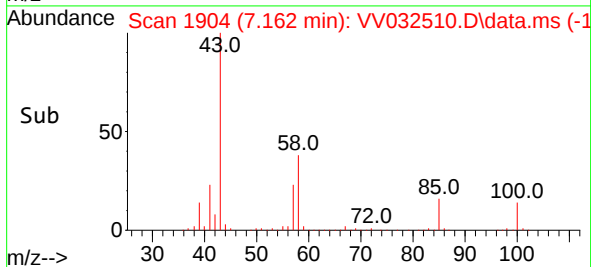
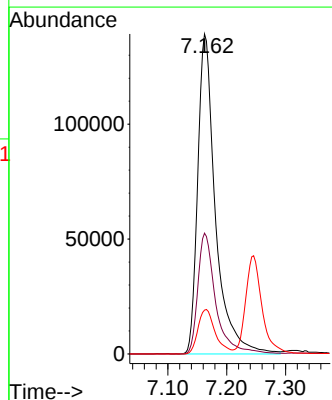
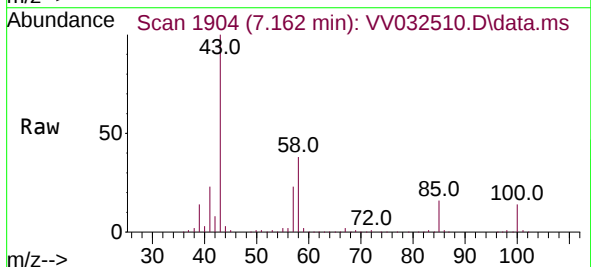
Tgt Ion: 43 Resp: 291445

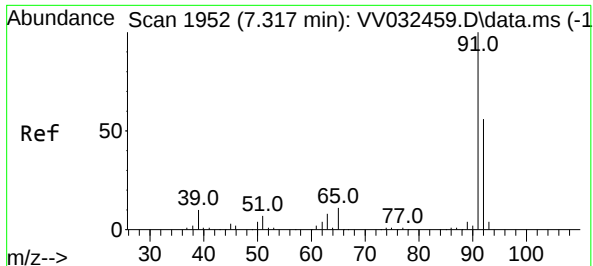
Ion Ratio Lower Upper

43 100

58 38.2 31.9 47.9

100 13.6 11.3 16.9





#42

Toluene

Concen: 4.748 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

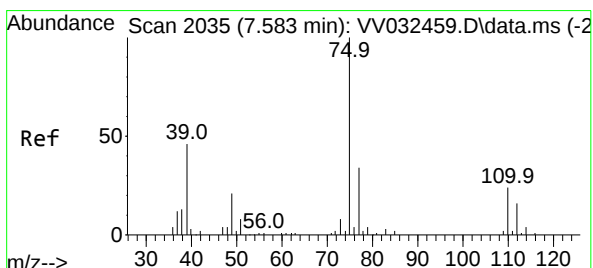
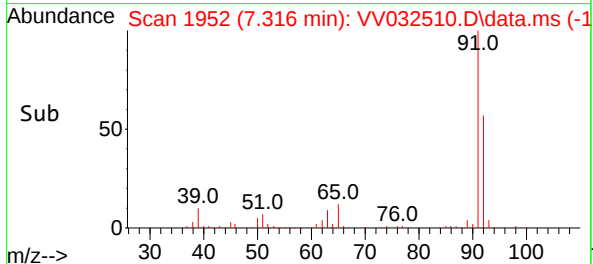
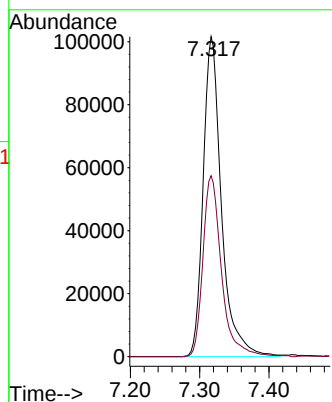
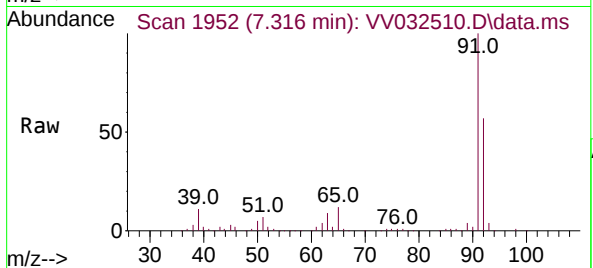
ClientSampleId :

Tgt Ion: 91 Resp: 186313

Ion Ratio Lower Upper

91 100

92 56.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.324 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032510.D

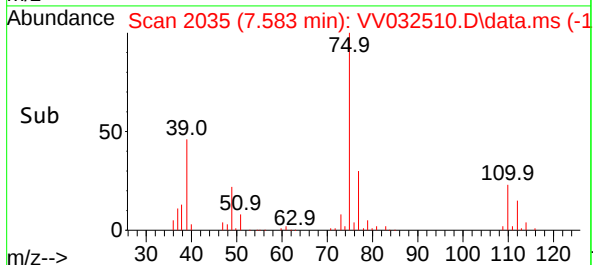
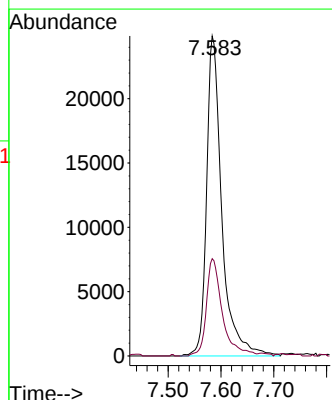
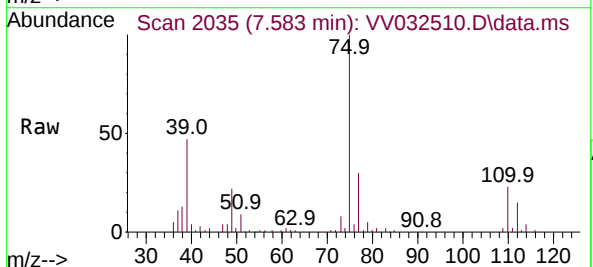
Acq: 20 Oct 2023 08:53

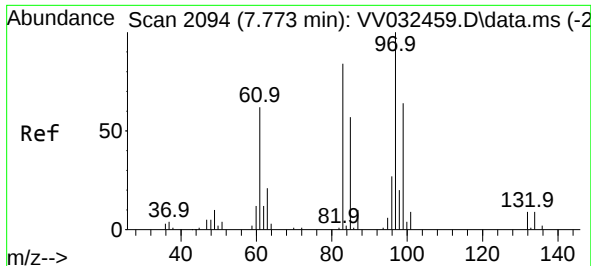
Tgt Ion: 75 Resp: 49780

Ion Ratio Lower Upper

75 100

77 30.4 22.5 41.7

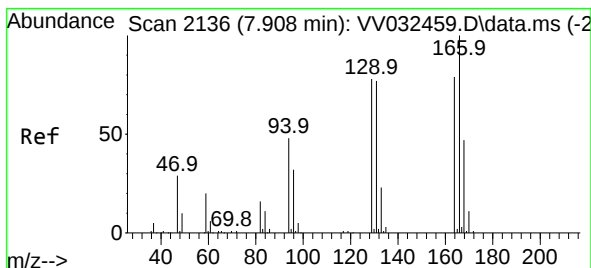
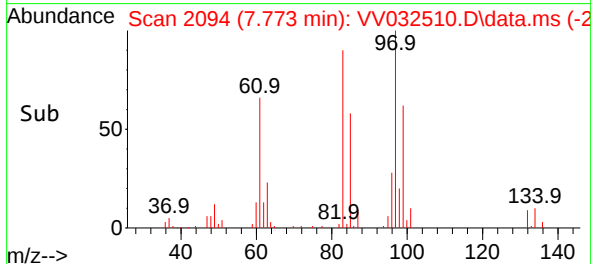
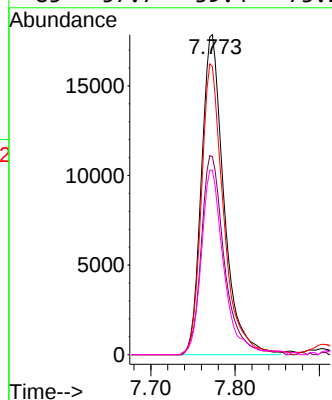
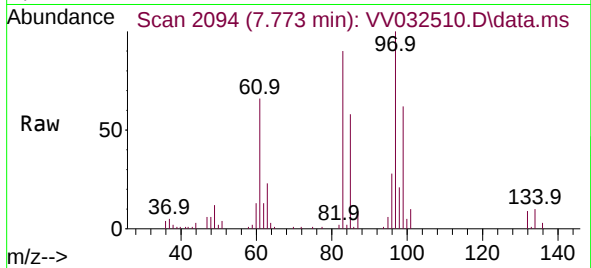




#45
1,1,2-Trichloroethane
Concen: 4.792 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

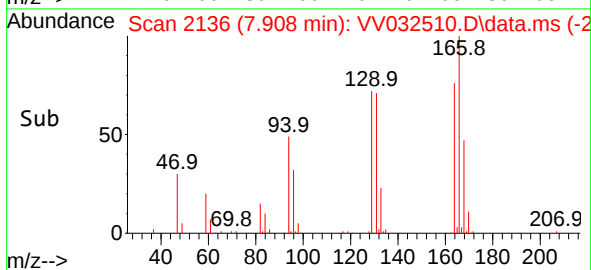
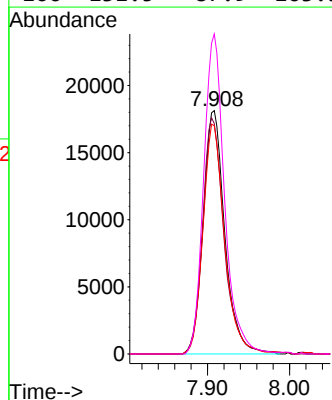
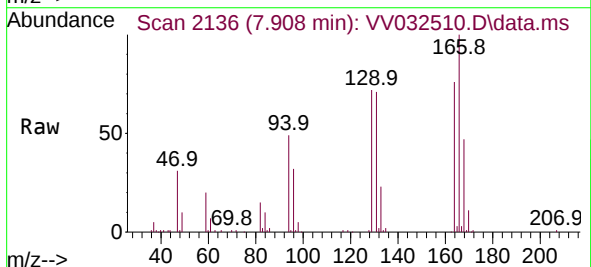
Instrument :
MSVOA_V
ClientSampleId :

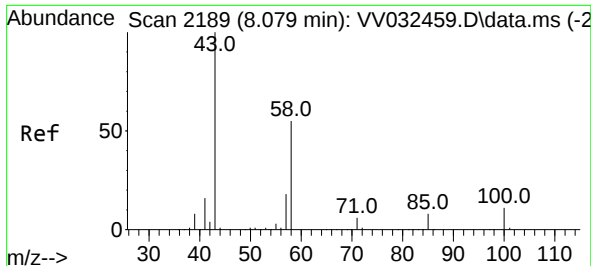
Tgt Ion:	97	Resp:	33275
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.8	79.4
83	90.0	60.9	113.1
85	57.7	39.4	73.2



#47
Tetrachloroethene
Concen: 4.347 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

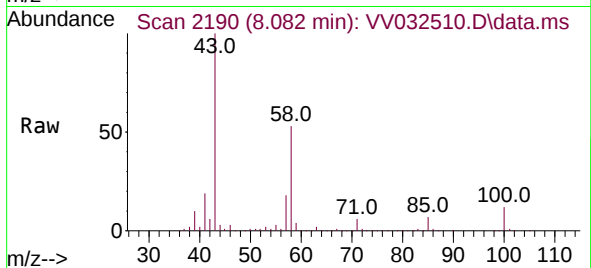
Tgt Ion:	164	Resp:	33125
Ion	Ratio	Lower	Upper
164	100		
129	94.7	66.4	123.4
131	93.9	63.7	118.3
166	131.5	87.9	163.3



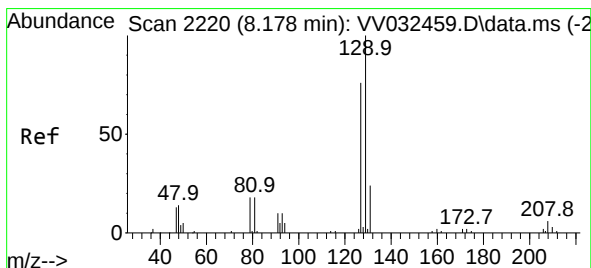
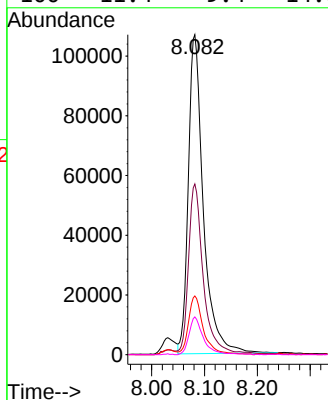
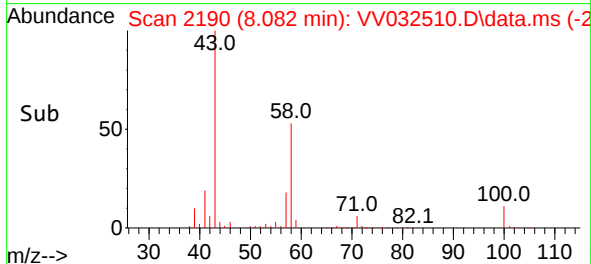


#48
2-Hexanone
Concen: 48.041 ug/L
RT: 8.082 min Scan# 211147
Delta R.T. 0.003 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Instrument :
MSVOA_V
ClientSampleId :

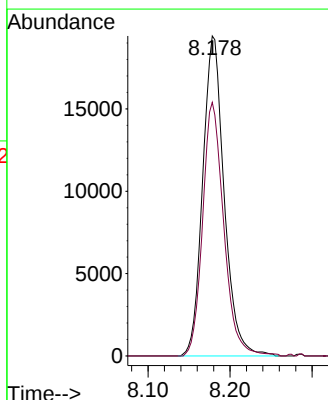
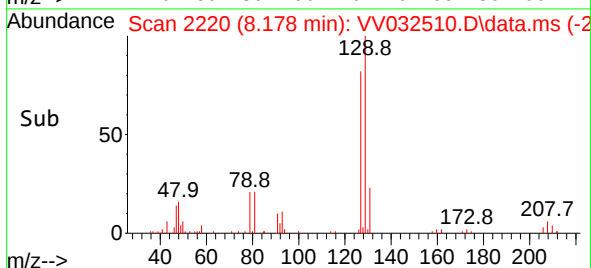
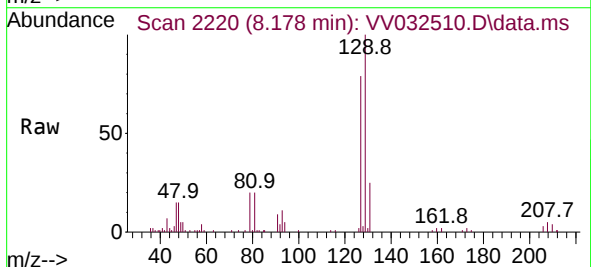


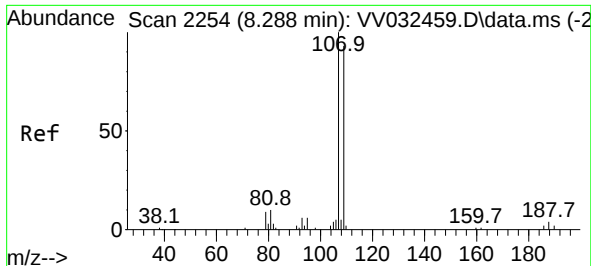
Tgt Ion: 43 Resp: 211147
Ion Ratio Lower Upper
43 100
58 52.2 43.6 65.4
57 18.5 14.6 22.0
100 11.4 9.4 14.0



#49
Dibromochloromethane
Concen: 4.882 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion: 129 Resp: 35294
Ion Ratio Lower Upper
129 100
127 79.3 57.2 106.2





#50

1,2-Dibromoethane

Concen: 4.602 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032510.D

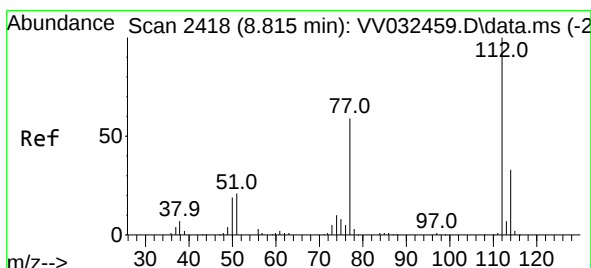
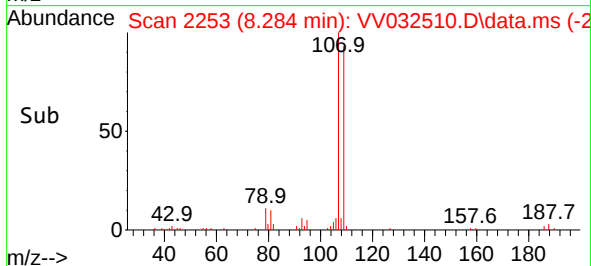
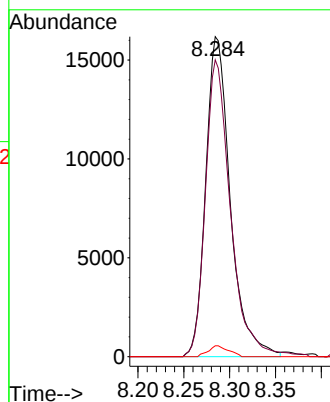
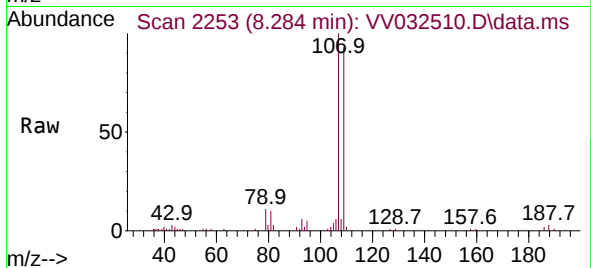
Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	30227
Ion Ratio	Lower	Upper
107	100	
109	92.8	68.4 127.0
188	3.4	3.2 4.8



#51

Chlorobenzene

Concen: 4.562 ug/L

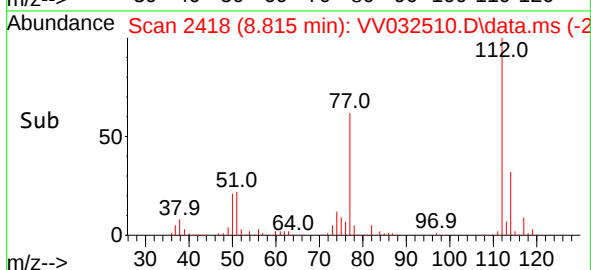
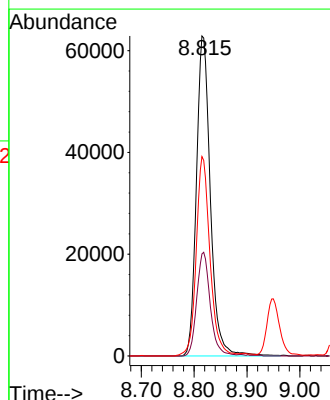
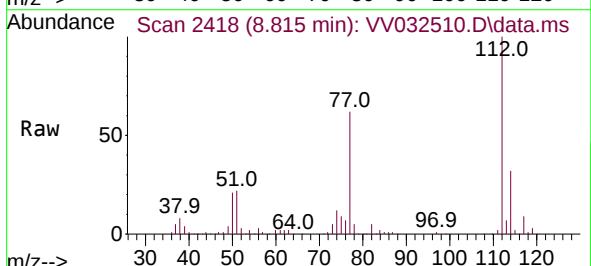
RT: 8.815 min Scan# 2418

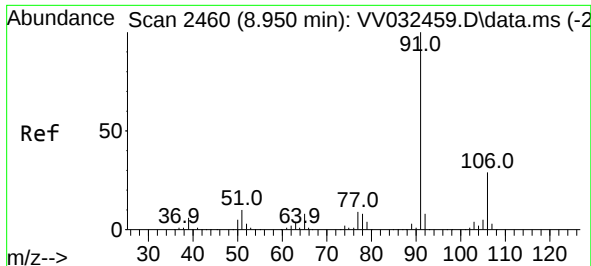
Delta R.T. -0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Tgt Ion:112	Resp:	115240
Ion Ratio	Lower	Upper
112	100	
114	31.9	22.1 41.1
77	62.3	46.1 69.1

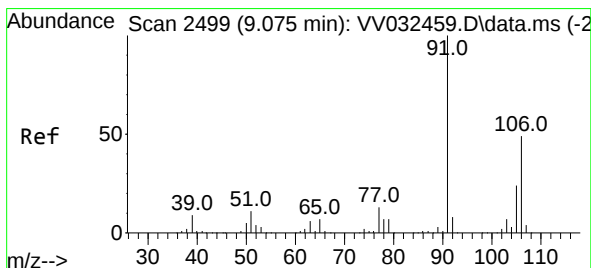
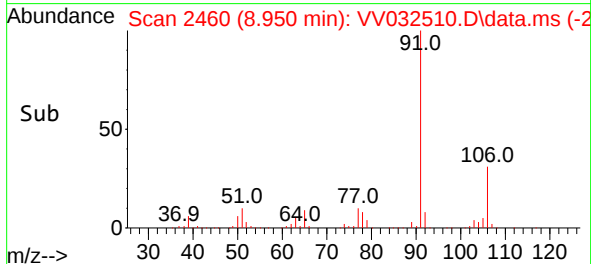
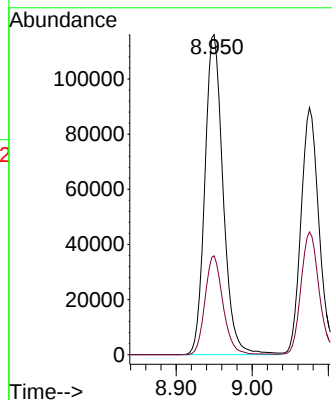
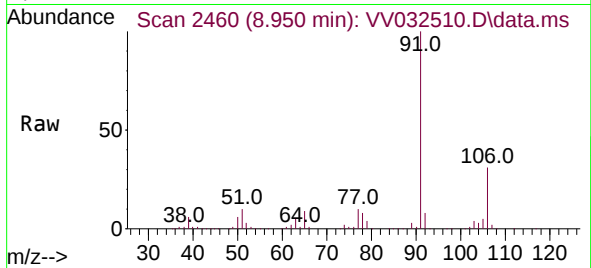




#52
Ethylbenzene
Concen: 4.431 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

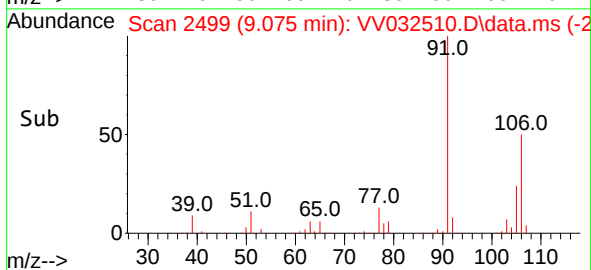
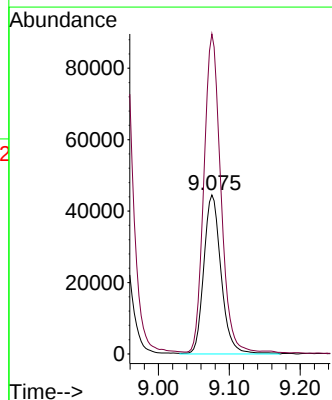
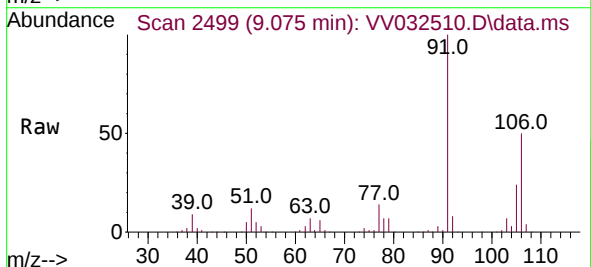
Instrument :
MSVOA_V
ClientSampleId :

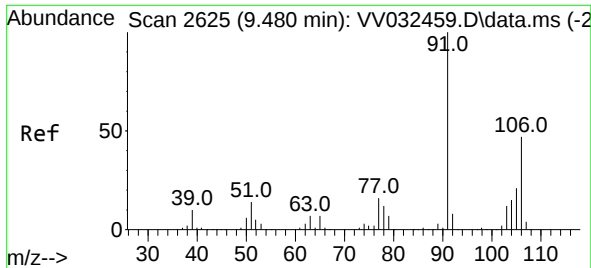
Tgt Ion: 91 Resp: 193584
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.5



#53
m,p-Xylene
Concen: 4.658 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion: 106 Resp: 75481
Ion Ratio Lower Upper
106 100
91 201.1 144.5 268.3

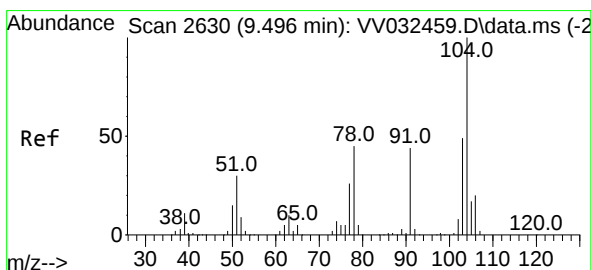
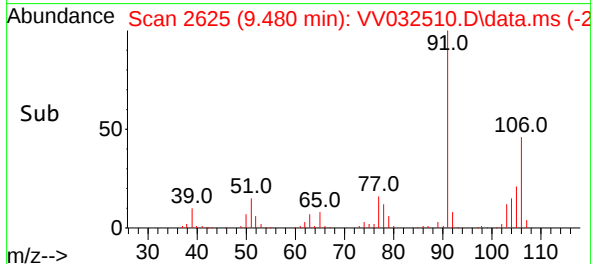
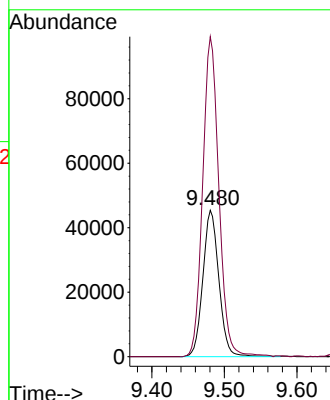
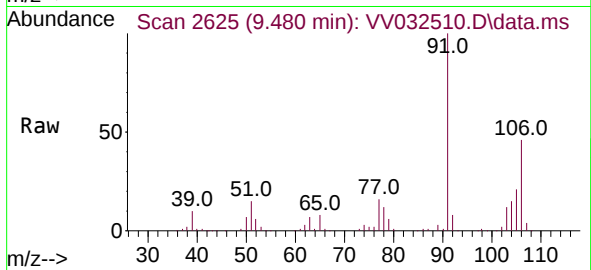




#54
o-Xylene
Concen: 4.463 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

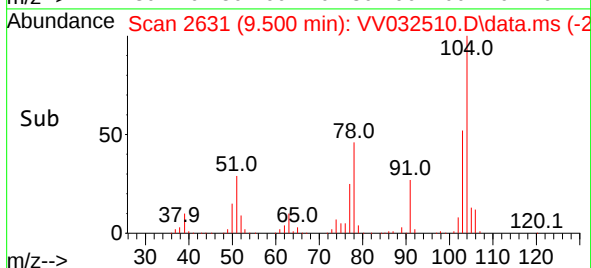
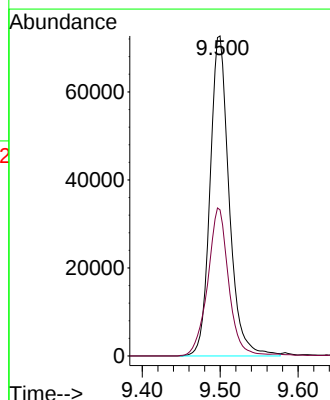
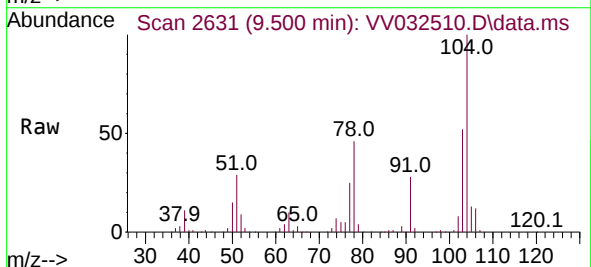
Instrument :
MSVOA_V
ClientSampleId :

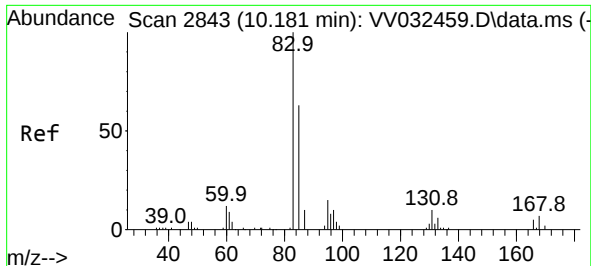
Tgt Ion:106 Resp: 69690
Ion Ratio Lower Upper
106 100
91 218.5 154.8 287.4



#55
Styrene
Concen: 4.699 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion:104 Resp: 123911
Ion Ratio Lower Upper
104 100
78 45.6 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.112 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

ClientSampleId :

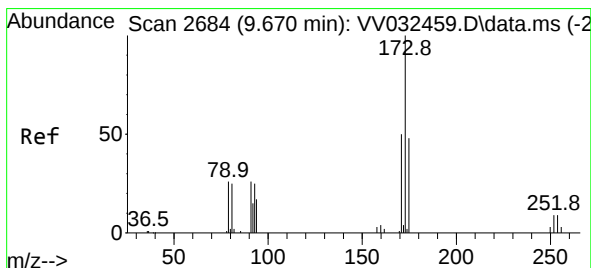
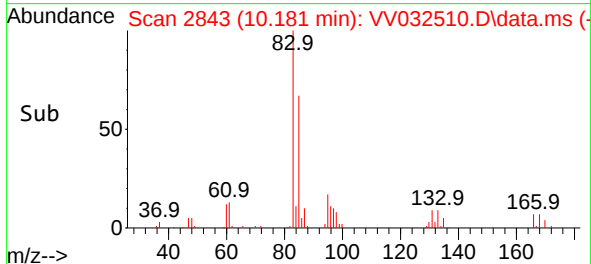
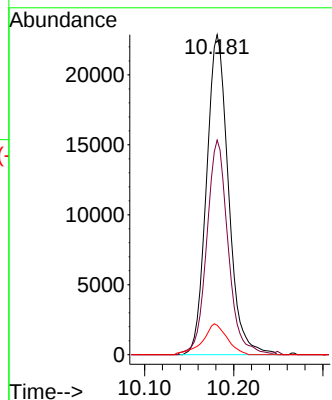
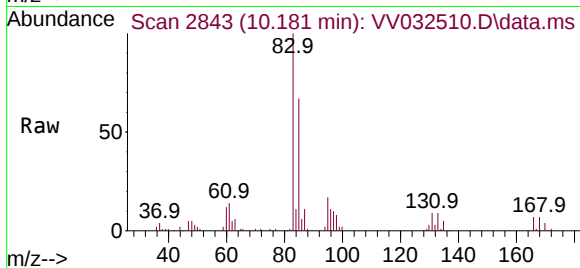
Tgt Ion: 83 Resp: 39058

Ion Ratio Lower Upper

83 100

85 67.0 43.6 81.0

131 9.2 7.0 10.6



#59

Bromoform

Concen: 4.700 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

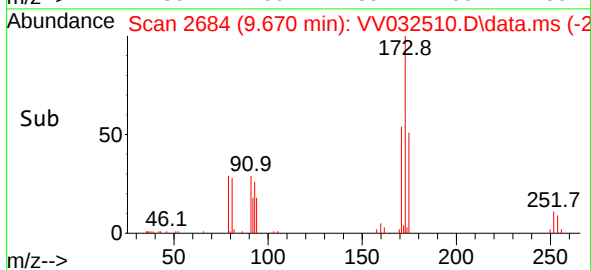
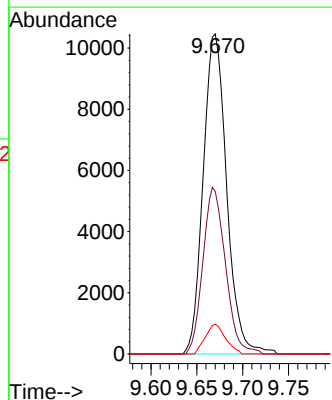
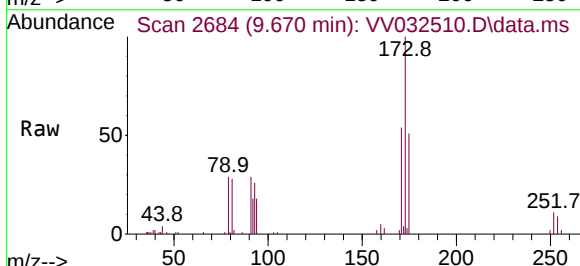
Tgt Ion: 173 Resp: 18652

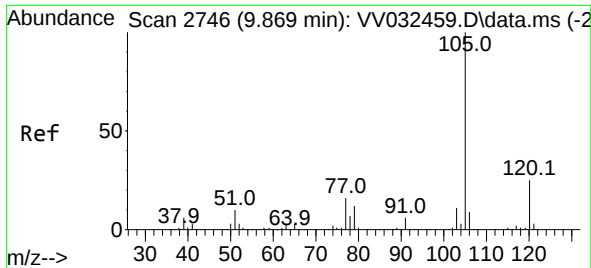
Ion Ratio Lower Upper

173 100

175 49.9 38.2 57.2

254 7.9 7.0 10.4

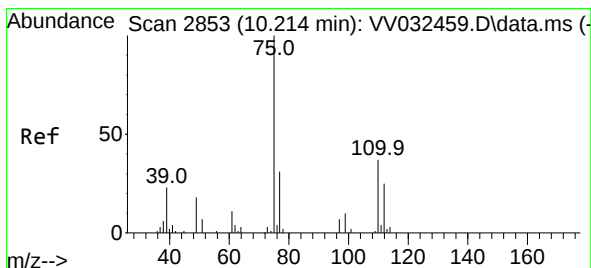
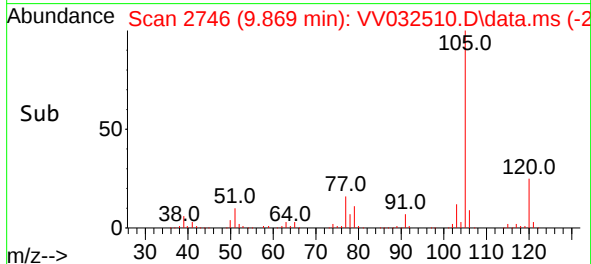
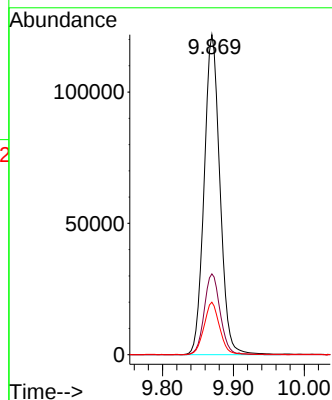
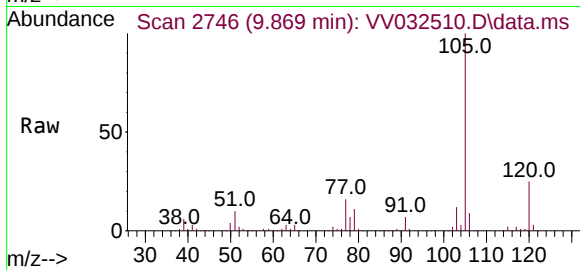




#60
Isopropylbenzene
Concen: 4.445 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

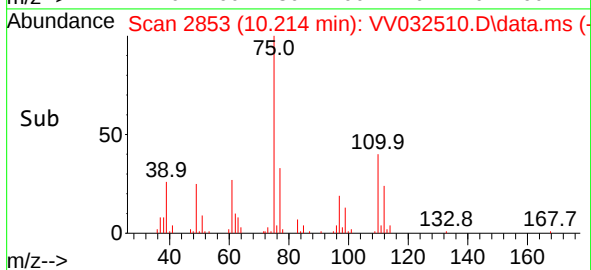
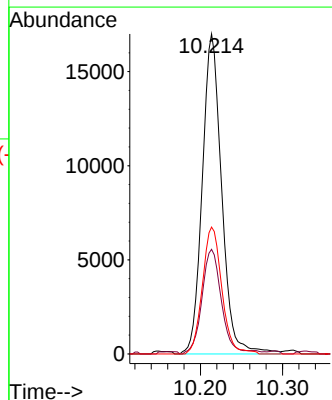
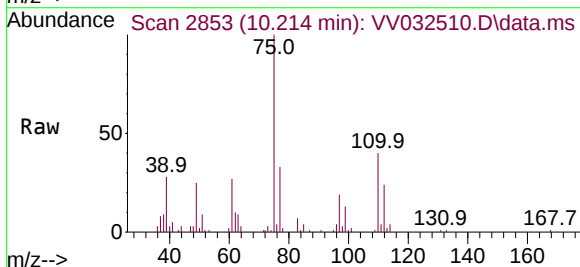
Instrument :
MSVOA_V
ClientSampleId :

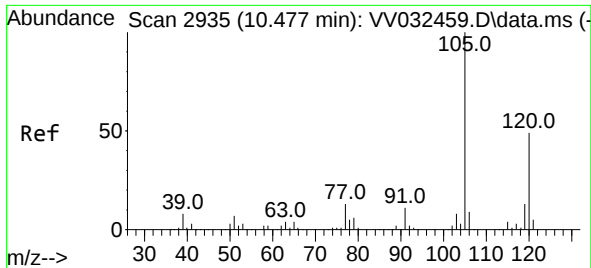
Tgt Ion:105 Resp: 188510
Ion Ratio Lower Upper
105 100
120 25.5 21.0 31.6
77 16.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.822 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion: 75 Resp: 28007
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.2
110 39.6 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.186 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

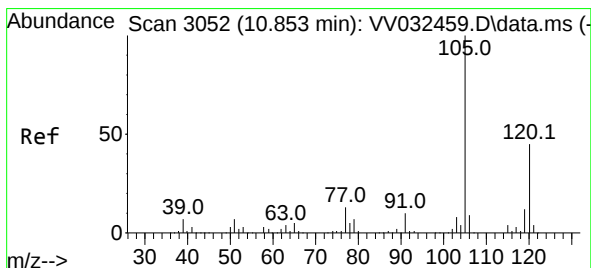
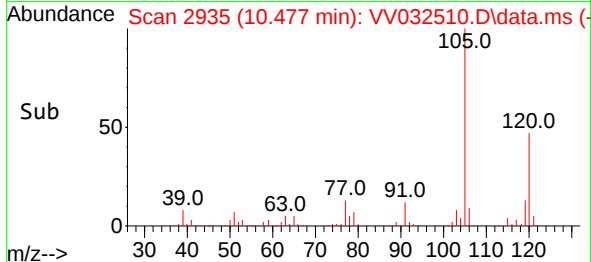
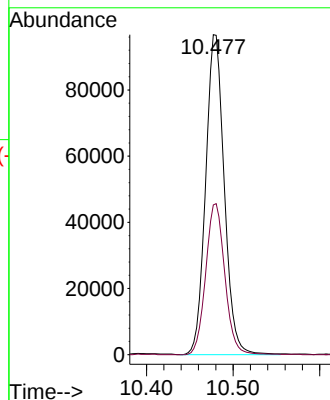
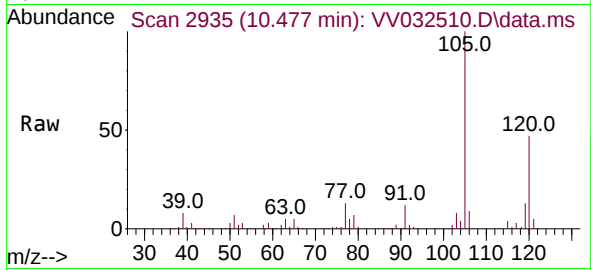
ClientSampleId :

Tgt Ion:105 Resp: 144703

Ion Ratio Lower Upper

105 100

120 48.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.238 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032510.D

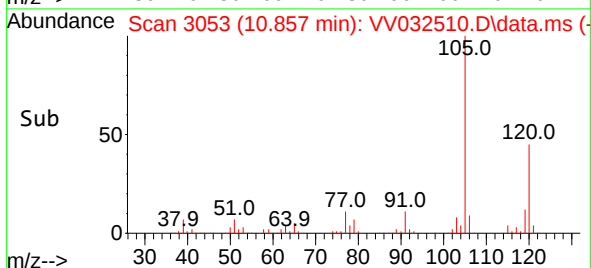
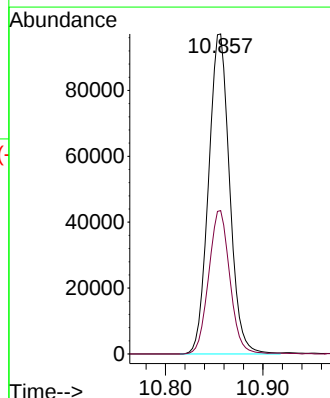
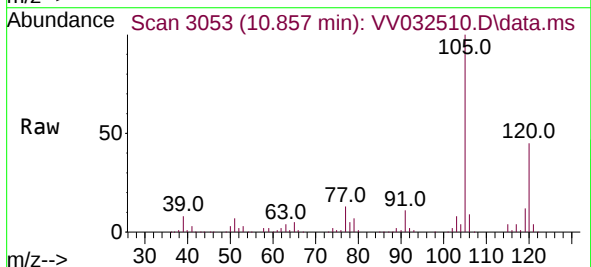
Acq: 20 Oct 2023 08:53

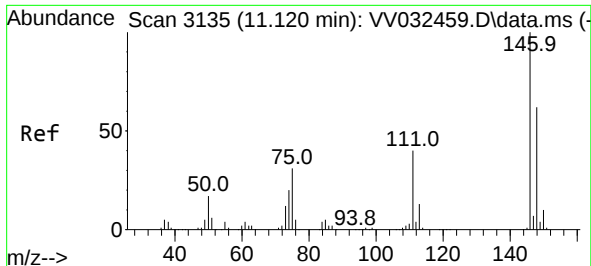
Tgt Ion:105 Resp: 145855

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.4

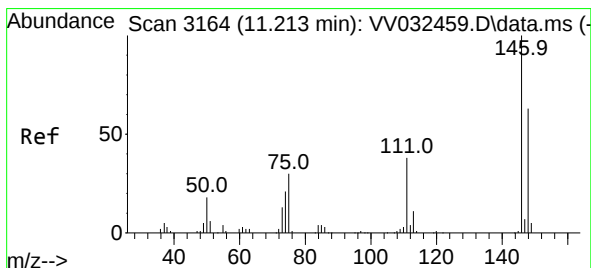
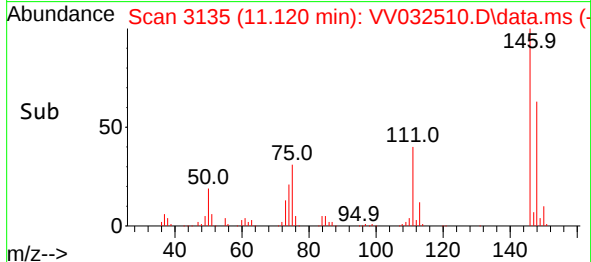
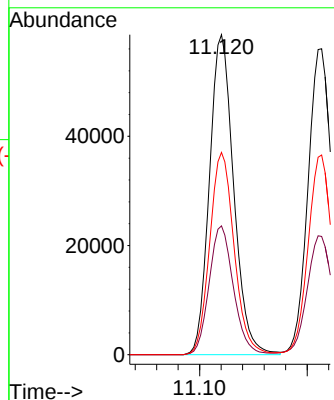
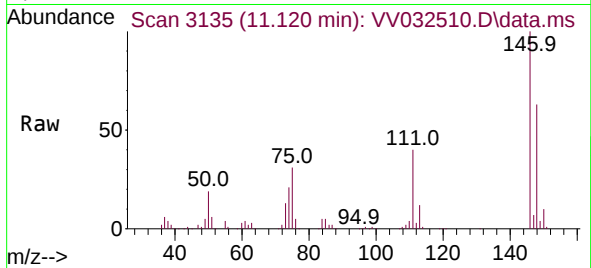




#64
 1,3-Dichlorobenzene
 Concen: 4.520 ug/L
 RT: 11.120 min Scan# 3135
 Delta R.T. 0.000 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

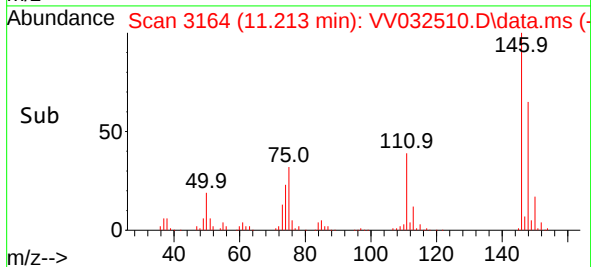
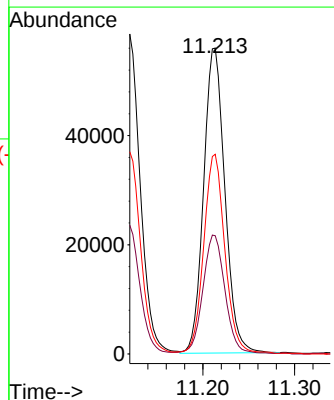
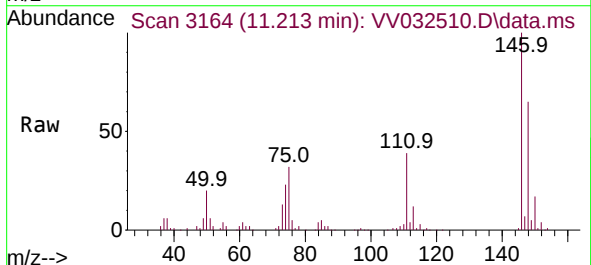
Instrument :
 MSVOA_V
 ClientSampleId :

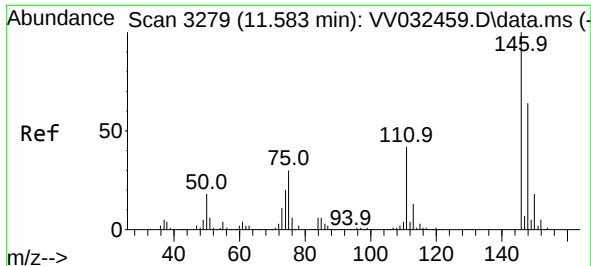
Tgt Ion:146 Resp: 91575
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.8 51.6
 148 63.2 43.7 81.1



#65
 1,4-Dichlorobenzene
 Concen: 4.427 ug/L
 RT: 11.213 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VV032510.D
 Acq: 20 Oct 2023 08:53

Tgt Ion:146 Resp: 89978
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.9 49.9
 148 65.3 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.531 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

ClientSampleId :

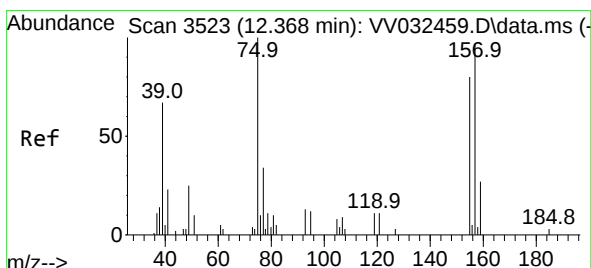
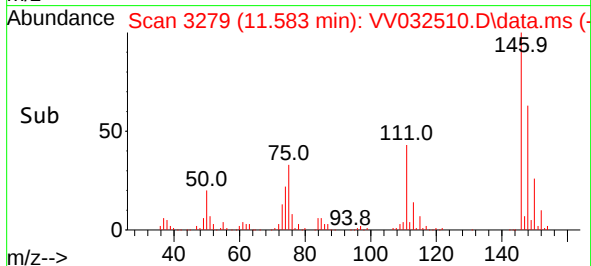
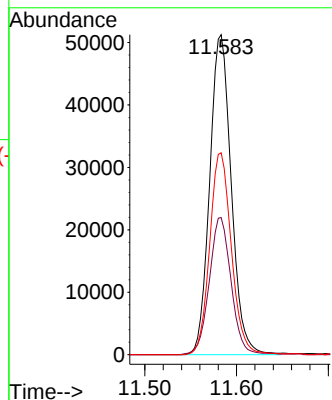
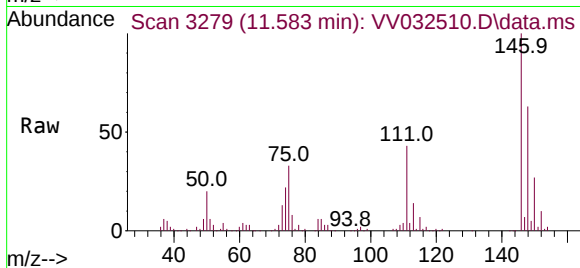
Tgt Ion:146 Resp: 83726

Ion Ratio Lower Upper

146 100

111 42.9 32.8 49.2

148 63.1 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.990 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

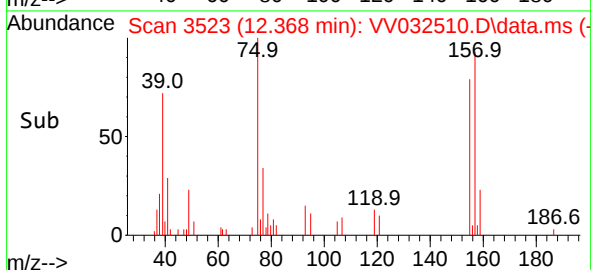
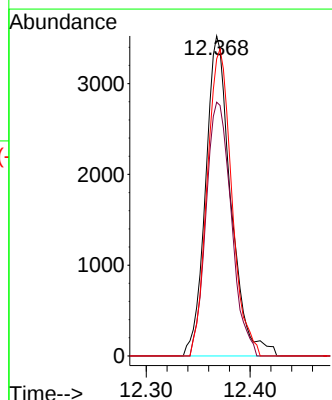
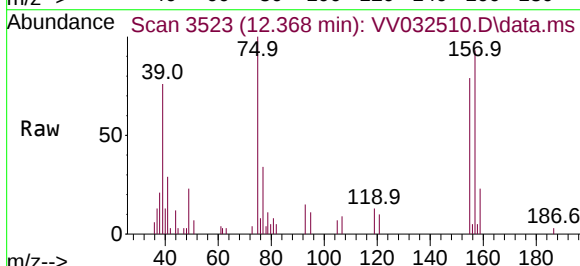
Tgt Ion: 75 Resp: 5922

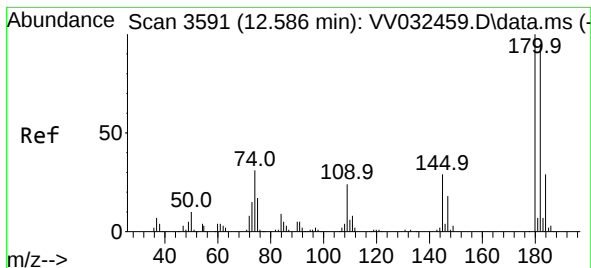
Ion Ratio Lower Upper

75 100

155 79.3 70.2 105.4

157 92.9 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 4.188 ug/L

RT: 12.583 min Scan# 3591

Delta R.T. -0.003 min

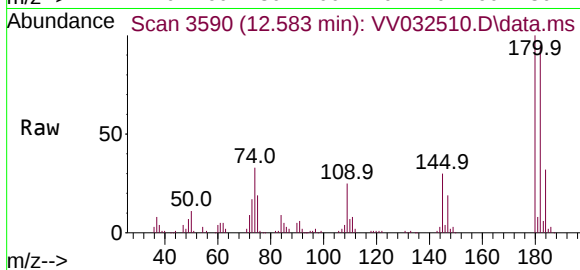
Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 62145

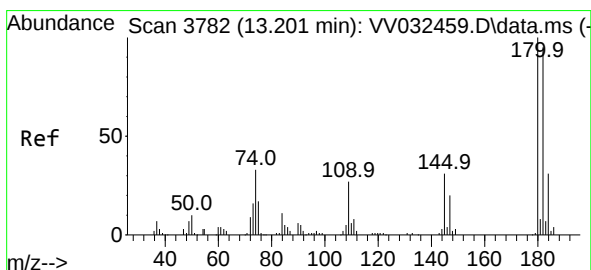
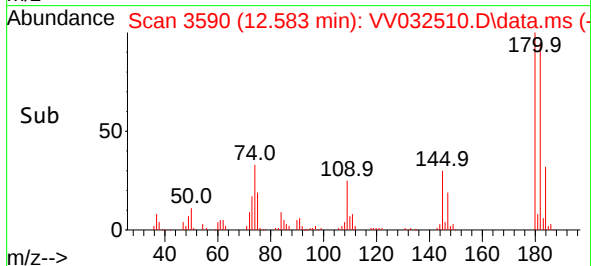
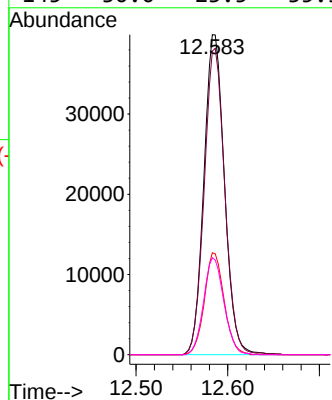
Ion Ratio Lower Upper

180 100

182 95.9 74.6 112.0

184 30.5 24.1 36.1

145 30.0 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 4.009 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032510.D

Acq: 20 Oct 2023 08:53

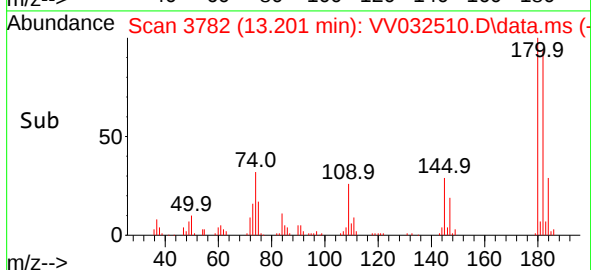
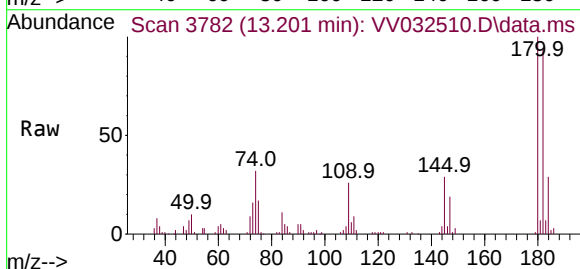
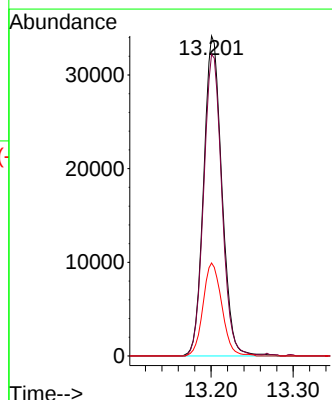
Tgt Ion:180 Resp: 52766

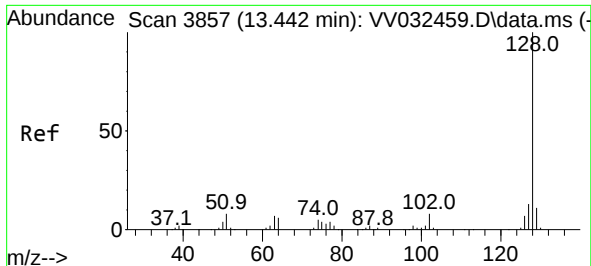
Ion Ratio Lower Upper

180 100

182 93.9 76.5 114.7

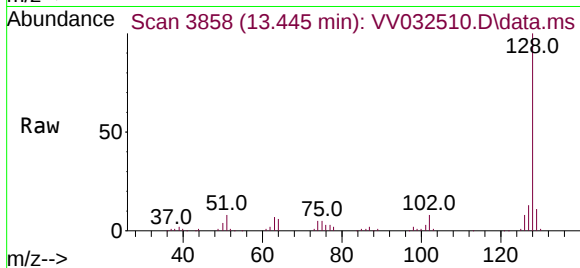
145 29.9 24.3 36.5



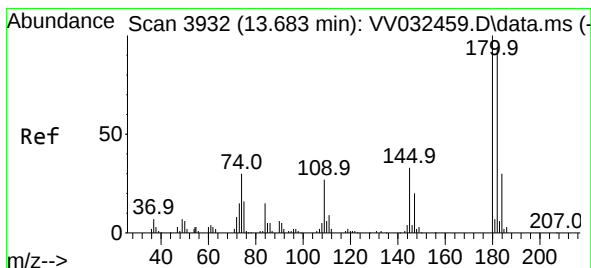
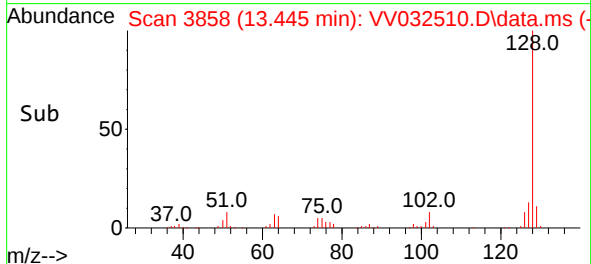
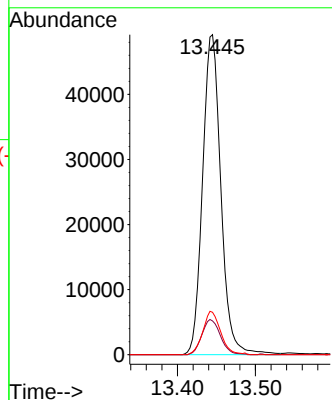


#71
Naphthalene
Concen: 3.590 ug/L
RT: 13.445 min Scan# 3857
Delta R.T. 0.003 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 80258
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.194 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032510.D
Acq: 20 Oct 2023 08:53

Tgt Ion:180 Resp: 47558
Ion Ratio Lower Upper
180 100
182 94.1 77.0 115.4
145 32.0 25.7 38.5

